Ordinal numbers

1st
2nd
3rd
4th
5th
6th
7th
8th
9th
10th

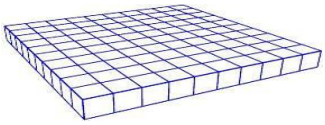
Place ten objects in front of you---toothpicks, rocks, small toys anything. Practice telling mom which one is in 1st position, then the other positions.

****

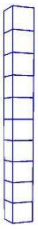
X A B D C E Z L M O

1. In the above row of letters which letter is 4th from the left?
2. Which one is letter "E" if you start from the right?
3. which one is letter "M" if you start from the left?
4. Which letter is 8th from the right?
5. Which letter is 2nd from the left?
6. If letter "O" is the beginning of the line, who is the end?
7. If letter O is the beginning, who is 6th in line?
8. Which letters are in the middle?
9. Starting from the letter X , which letter is 9th?

Place Value



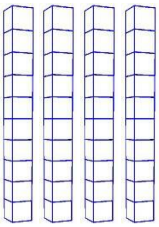
100=hundreds



10=tens

1=ones

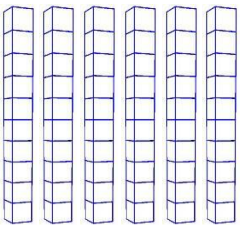
How many of the following do we have:



+

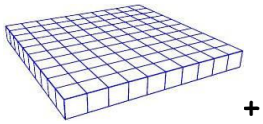
=

4 tens + 3 ones= 43

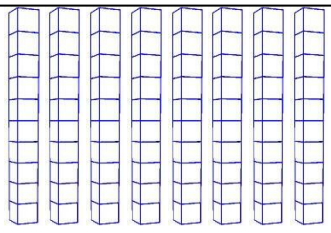


+

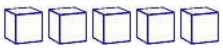
= _____tens +_____ones=_____



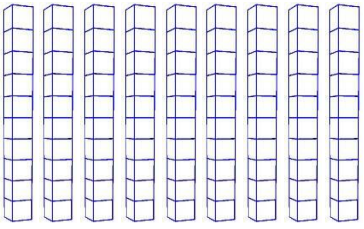
+



+

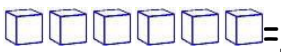


=_____hundreds+_____tens+_____ones=____



+

=_____tens+_____ones=_____



=_____

Hundreds Chart

1									

Practice by filling in the chart from 1-100

When you have 12 of something you have a dozen. Like if you have 12 eggs you have a "dozen" eggs. Half of a dozen is 6.

Y Z L G N F R F I N E M

Start on the left.

Circle the letter that is 2nd

Underline the letter that is 10^{th}.

Box in the letter that is 5^{th}

Put a triangle around the 4^{th} letter

Put a star around the 7^{th} letter

Put an X on the 3^{rd} letter

Put a line above the 1^{st} letter

Hundreds chart

Fill in the chart

1									

Greater than and less than

Here is the symbol to use for greater than >

This is the symbol for less than <

If a number is equal we write =

An easy way to remember is the large opening part is like the alligator that can eat the big number. The smaller closed part can only eat the smaller number.

74 > 12 25 < 259 8=8

Copy the following and write < > or =

75 _____32 450____217 22____17

17_____56 299____455 18_____9

44_____99 100____100 66_____666

What number comes after the following:

24_____ 54_____ 75_____

124_____ 651_____ 345_____

7_____ 10_____ 100_____

What number comes before

8_____ 54_____ 77_____

432_____ 76_____ 90_____

210_____ 100_____ 1_____

54_____ 66_____ 1000_____

Hundreds Chart Fill in the chart

1									

Fractions

If something is divided in 2 parts we say that each part is $\frac{1}{2}$ of the rectangle

$\frac{1}{2}$	$\frac{1}{2}$

If something is divided in 3 parts, we say that each part is 1/3 of the rectangle

1/3	1/3	1/3

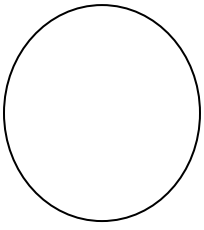
If something is divided in 4 parts, we say that each part is $\frac{1}{4}$ of the rectangle

$\frac{1}{4}$	$\frac{1}{4}$	1/4	$\frac{1}{4}$

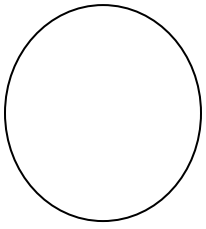
When you divide something into parts, the parts are equal only if they are the same size. As in the above. This example below is not divided equal

Divide the following circles into:

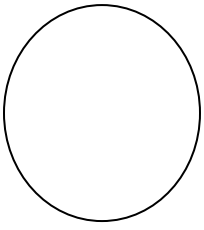
2 equal parts



3 equal parts



4 equal parts



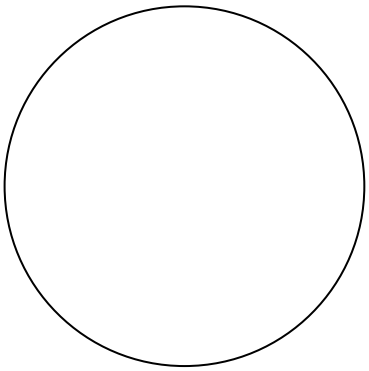
Addition facts to 12

0+0=	1+0=	2+0=	3+0=	4+0=
	0+1=	1+1=	2+1=	3+1=
		0+2=	1+2=	2+2=
			0+3=	1+3=
				0+4=

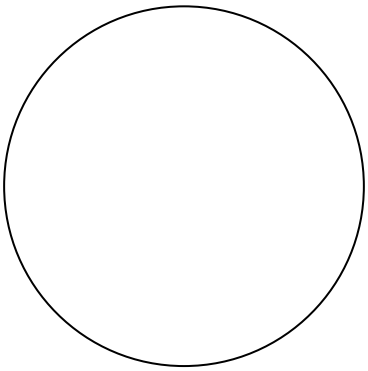
5+0=	6+0=	7+0=	8+0=	
4+1=	5+1=	6+1=	7+1=	
3+2=	4+2=	5+2	6+2=	
2+3=	3+3=	4+3=	5+3=	
1+4=	2+4=	3+4=	4+4=	
0+5=	1+5=	2+5=	3+5=	
	0+6=	1+6=	2+6=	
		0+7=	1+7=	0+8=

9+0=	9+1=	10+1=	11+1=	
8+1=	8+2=	9+2=	10+2=	
7+2=	7+3=	8+3=	9+3=	
6+3=	6+4=	7+4=	8+4=	
5+4=	5+5=	6+5=	7+5=	
4+5=	4+6=	5+6=	6+6=	
3+6=	3+7=	4+7=	5+7=	
2+7=	2+8=	3+8=	4+8=	
1+8=	1+9=	2+9=	3+9=	
0+9=		1+10=	2+10=	1+11=

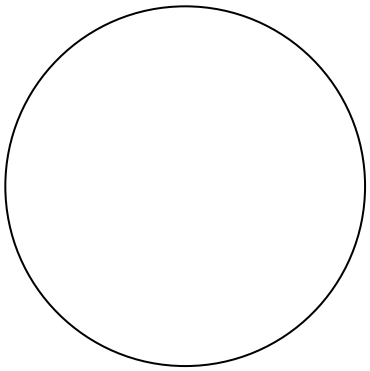
Divide the following circles into the fractions stated:



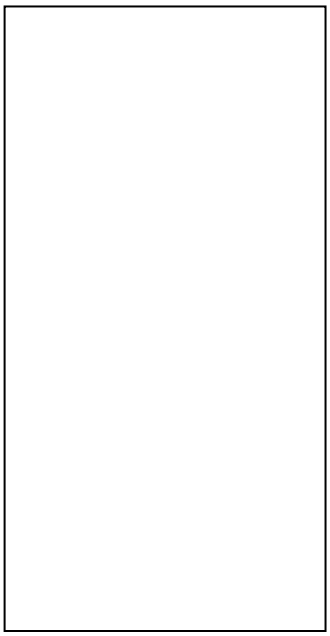
4 parts



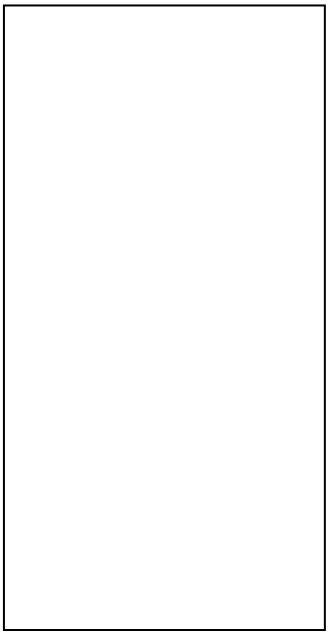
6 parts



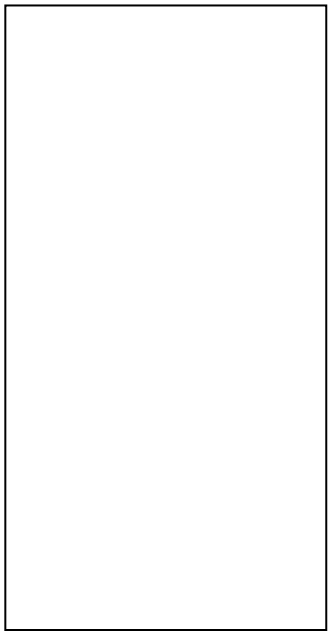
3 parts



6 parts

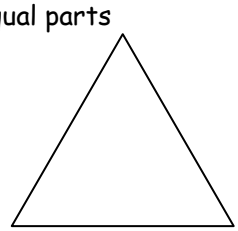


8 parts



5 parts

2 equal parts



Addition facts to 12

0+0=	1+0=	2+0=	3+0=	4+0=	
	0+1=	1+1=	2+1=	3+1=	
		0+2=	1+2=	2+2=	
			0+3=	1+3=	0+4=

5+0=	6+0=	7+0=	8+0=		
4+1=	5+1=	6+1=	7+1=		
3+2=	4+2=	5+2	6+2=		
2+3=	3+3=	4+3=	5+3=		
1+4=	2+4=	3+4=	4+4=		
0+5=	1+5=	2+5=	3+5=		
	0+6=	1+6=	2+6=		
		0+7=	1+7=		
			0+8=		

9+0=	9+1=	10+1=	11+1=	
8+1=	8+2=	9+2=	10+2=	
7+2=	7+3=	8+3=	9+3=	
6+3=	6+4=	7+4=	8+4=	
5+4=	5+5=	6+5=	7+5=	
4+5=	4+6=	5+6=	6+6=	
3+6=	3+7=	4+7=	5+7=	
2+7=	2+8=	3+8=	4+8=	
1+8=	1+9=	2+9=	3+9=	
0+9=		1+10=	2+10=	1+11=

How many tens are in the following:

543	789	43	89
2223	7654	80	809
4000	300	10	9

How many ones are in the following:

43	6	46	4567
76	64	32	80

How many hundreds are in the following:

423	546	456	4657
765	898	6544	2000

0+0=	1+0=	2+0=	3+0=	4+0=
	0+1=	1+1=	2+1=	3+1=
		0+2=	1+2=	2+2=
			0+3=	1+3=
				0+4=

5+0=	6+0=	7+0=	8+0=	
4+1=	5+1=	6+1=	7+1=	
3+2=	4+2=	5+2	6+2=	
2+3=	3+3=	4+3=	5+3=	
1+4=	2+4=	3+4=	4+4=	
0+5=	1+5=	2+5=	3+5=	
	0+6=	1+6=	2+6=	
		0+7=	1+7=	
			0+8=	

9+0=	9+1=	10+1=	11+1=	
8+1=	8+2=	9+2=	10+2=	
7+2=	7+3=	8+3=	9+3=	
6+3=	6+4=	7+4=	8+4=	
5+4=	5+5=	6+5=	7+5=	
4+5=	4+6=	5+6=	6+6=	
3+6=	3+7=	4+7=	5+7=	
2+7=	2+8=	3+8=	4+8=	
1+8=	1+9=	2+9=	3+9=	
0+9=		1+10=	2+10=	1+11=

Can you read the following numbers to MOM

765

32

7320

900

80

11

176

0+0=	1+0=	2+0=	3+0=	4+0=
	0+1=	1+1=	2+1=	3+1=
		0+2=	1+2=	2+2=
			0+3=	1+3=
				0+4=

5+0=	6+0=	7+0=	8+0=	
4+1=	5+1=	6+1=	7+1=	
3+2=	4+2=	5+2	6+2=	
2+3=	3+3=	4+3=	5+3=	
1+4=	2+4=	3+4=	4+4=	
0+5=	1+5=	2+5=	3+5=	
	0+6=	1+6=	2+6=	
		0+7=	1+7=	
			0+8=	

9+0=	9+1=	10+1=	11+1=	
8+1=	8+2=	9+2=	10+2=	
7+2=	7+3=	8+3=	9+3=	
6+3=	6+4=	7+4=	8+4=	
5+4=	5+5=	6+5=	7+5=	
4+5=	4+6=	5+6=	6+6=	
3+6=	3+7=	4+7=	5+7=	
2+7=	2+8=	3+8=	4+8=	
1+8=	1+9=	2+9=	3+9=	
0+9=		1+10=	2+10=	1+11=

Complete the pattern:

1,3,_____,_____,_____,_____,_____

2,4,_____,_____,_____,_____,_____

10,20,_____,_____,_____,_____,_____

10,9,_____,_____,_____,_____,_____

1,4,7,_____,_____,_____,_____,-_____

12,10,_____,_____,_____,_____,_____

Draw the shape that comes next

Circle, star, square, circle, _____,_____,_____,_____

Diamond, star, star, circle, star, diamond, _____,_____,_____,_____

Subtraction facts 0-12

0-0=	1-0=	2-0=	3-0=	4-0=
	1-1=	2-1=	3-1=	4-1=
		2-2=	3-2=	4-2=
			3-3=	4-3=
				4-4=

5-0=	6-0=	7-0=	8-0=
5-1=	6-1=	7-1=	8-1=
5-2=	6-2=	7-2=	8-2=
5-3=	6-3=	7-3=	8-3=
5-4=	6-4=	7-4=	8-4=
5-5=	6-5=	7-5=	8-5=
	6-6=	7-6=	8-6=
		7-7=	8-7=
			8-8=

9-0=	10-1=	11-1=	12-1=
9-1=	10-2=	11-2=	12-2=
9-2=	10-3=	11-3=	12-3=
9-3=	10-4=	11-4=	12-4=
9-4=	10-5=	11-5=	12-5=
9-5=	10-6=	11-6=	12-6=
9-6=	10-7=	11-7=	12-7=
9-6=	10-8=	11-8=	12-8=
9-7=	10-9=	11-9=	12-9=
9-8=		11-10=	12-10=
9-9=			12-11=

Give this to Mom and have her read it to you.

Draw a large square on your paper. Draw a circle inside of it. Put a star on top of the square. Write your name below the square. Put your age inside of the circle. Hand your paper to your mom.

Subtraction facts 0-12

0-0=	1-0=	2-0=	3-0=	4-0=
	1-1=	2-1=	3-1=	4-1=
		2-2=	3-2=	4-2=
			3-3=	4-3=
				4-4=

5-0=	6-0=	7-0=	8-0=
5-1=	6-1=	7-1=	8-1=
5-2=	6-2=	7-2=	8-2=
5-3=	6-3=	7-3=	8-3=
5-4=	6-4=	7-4=	8-4=
5-5=	6-5=	7-5=	8-5=
	6-6=	7-6=	8-6=
		7-7=	8-7=
			8-8=

9-0=	10-1=	11-1=	12-1=
9-1=	10-2=	11-2=	12-2=
9-2=	10-3=	11-3=	12-3=
9-3=	10-4=	11-4=	12-4=
9-4=	10-5=	11-5=	12-5=
9-5=	10-6=	11-6=	12-6=
9-6=	10-7=	11-7=	12-7=
9-6=	10-8=	11-8=	12-8=
9-7=	10-9=	11-9=	12-9=
9-8=		11-10=	12-10=
9-9=			12-11=

What comes next:

5, 6, _____,_____,_____,_____,_____,_____

1,4,7,_____,_____,_____,_____,_____,_____

15,13,11,_____,_____,_____,_____,_____,_____

Follow the pattern

0,1,0,2,0,3,_____,_____,_____,_____,_____

2,1,3,1,4,____,____,____,____,____,____

100,99,98,_____,_____,_____,_____,_____,_____

20

Subtraction facts 0-12

0-0=	1-0=	2-0=	3-0=	4-0=
	1-1=	2-1=	3-1=	4-1=
		2-2=	3-2=	4-2=
			3-3=	4-3=
				4-4=

5-0=	6-0=	7-0=	8-0=
5-1=	6-1=	7-1=	8-1=
5-2=	6-2=	7-2=	8-2=
5-3=	6-3=	7-3=	8-3=
5-4=	6-4=	7-4=	8-4=
5-5=	6-5=	7-5=	8-5=
	6-6=	7-6=	8-6=
		7-7=	8-7=
			8-8=

9-0=	10-1=	11-1=	12-1=
9-1=	10-2=	11-2=	12-2=
9-2=	10-3=	11-3=	12-3=
9-3=	10-4=	11-4=	12-4=
9-4=	10-5=	11-5=	12-5=
9-5=	10-6=	11-6=	12-6=
9-6=	10-7=	11-7=	12-7=
9-6=	10-8=	11-8=	12-8=
9-7=	10-9=	11-9=	12-9=
9-8=		11-10=	12-10=
9-9=			12-11=

X S G R W Y N O C P R H

What letter is 12th?

What letter is 3rd?

What letter is 1st?

What letter is 2nd?

What letter is 5th?

What letter is 7th?

What letter is 11th?

What letter is 10th?

Subtraction facts 0-12

0-0=	1-0=	2-0=	3-0=	4-0=
	1-1=	2-1=	3-1=	4-1=
		2-2=	3-2=	4-2=
			3-3=	4-3=
				4-4=

5-0=	6-0=	7-0=	8-0=
5-1=	6-1=	7-1=	8-1=
5-2=	6-2=	7-2=	8-2=
5-3=	6-3=	7-3=	8-3=
5-4=	6-4=	7-4=	8-4=
5-5=	6-5=	7-5=	8-5=
	6-6=	7-6=	8-6=
		7-7=	8-7=
			8-8=

9-0=	10-1=	11-1=	12-1=
9-1=	10-2=	11-2=	12-2=
9-2=	10-3=	11-3=	12-3=
9-3=	10-4=	11-4=	12-4=
9-4=	10-5=	11-5=	12-5=
9-5=	10-6=	11-6=	12-6=
9-6=	10-7=	11-7=	12-7=
9-6=	10-8=	11-8=	12-8=
9-7=	10-9=	11-9=	12-9=
9-8=		11-10=	12-10=
9-9=			12-11=

D H C E W N A T

What letter is the following:

1st

2nd

3rd

4th

5th

6th

7th

8th

Subtraction facts 0-12***if you need more help with these, copy this and keep practicing

0-0=	1-0=	2-0=	3-0=	4-0=
	1-1=	2-1=	3-1=	4-1=
		2-2=	3-2=	4-2=
			3-3=	4-3=
				4-4=

5-0=	6-0=	7-0=	8-0=
5-1=	6-1=	7-1=	8-1=
5-2=	6-2=	7-2=	8-2=
5-3=	6-3=	7-3=	8-3=
5-4=	6-4=	7-4=	8-4=
5-5=	6-5=	7-5=	8-5=
	6-6=	7-6=	8-6=
		7-7=	8-7=
			8-8=

9-0=	10-1=	11-1=	12-1=
9-1=	10-2=	11-2=	12-2=
9-2=	10-3=	11-3=	12-3=
9-3=	10-4=	11-4=	12-4=
9-4=	10-5=	11-5=	12-5=
9-5=	10-6=	11-6=	12-6=
9-6=	10-7=	11-7=	12-7=
9-6=	10-8=	11-8=	12-8=
9-7=	10-9=	11-9=	12-9=
9-8=		11-10=	12-10=
9-9=			12-11=

Addition of 3 numbers. Add the top two numbers and then add the bottom number:

9	7	5	6	4
3	2	5	4	7
+2	+4	+6	+3	+1

When you subtract two numbers, the number you have left over is the difference.

When you subtract 10 from 7 the difference is 3

When you add two numbers, the number you get is called the sum.

When you add 5 plus 5, the sum is 10

Let's learn to count by 10's

10,20,30,40,50,60,70,80,90,100

Say this over and over until you get it memorized

Fill in the chart, counting by 10's

Fill in the chart counting by 10's

Fill in the chart, counting by 10's starting at the number 3

3									

Count by 10's backwards from 100

100									

Count by 10's backwards starting at 88

88								

Practice adding 4 numbers

3	6	5	3	9
2	2	5	1	1
1	3	4	4	3
+2	+1	+5	+2	+5

Fill in the blanks with < > =

2+3_____5+7 4+2_____0+8 7+5_____6+6

4-2_____5-3 9-7_____5-3 5-1_____12-8

0+0=	1+0=	2+0=	3+0=	4+0=
	0+1=	1+1=	2+1=	3+1=
		0+2=	1+2=	2+2=
			0+3=	1+3=
				0+4=

5+0=	6+0=	7+0=	8+0=	
4+1=	5+1=	6+1=	7+1=	
3+2=	4+2=	5+2	6+2=	
2+3=	3+3=	4+3=	5+3=	
1+4=	2+4=	3+4=	4+4=	
0+5=	1+5=	2+5=	3+5=	
	0+6=	1+6=	2+6=	
		0+7=	1+7=	
			0+8=	

9+0=	9+1=	10+1=	11+1=	
8+1=	8+2=	9+2=	10+2=	
7+2=	7+3=	8+3=	9+3=	
6+3=	6+4=	7+4=	8+4=	
5+4=	5+5=	6+5=	7+5=	
4+5=	4+6=	5+6=	6+6=	
3+6=	3+7=	4+7=	5+7=	
2+7=	2+8=	3+8=	4+8=	
1+8=	1+9=	2+9=	3+9=	
0+9=		1+10=	2+10=	1+11=

What letter is the following:

D W G C S J U R M O A K

1st

2nd

3rd

4th

5th

6th

7th

8th

9th

10th

11th

12th

Subtraction facts 0-12

0-0=	1-0=	2-0=	3-0=	4-0=
	1-1=	2-1=	3-1=	4-1=
		2-2=	3-2=	4-2=
			3-3=	4-3=
				4-4=

5-0=	6-0=	7-0=	8-0=
5-1=	6-1=	7-1=	8-1=
5-2=	6-2=	7-2=	8-2=
5-3=	6-3=	7-3=	8-3=
5-4=	6-4=	7-4=	8-4=
5-5=	6-5=	7-5=	8-5=
	6-6=	7-6=	8-6=
		7-7=	8-7=
			8-8=

9-0=	10-1=	11-1=	12-1=
9-1=	10-2=	11-2=	12-2=
9-2=	10-3=	11-3=	12-3=
9-3=	10-4=	11-4=	12-4=
9-4=	10-5=	11-5=	12-5=
9-5=	10-6=	11-6=	12-6=
9-6=	10-7=	11-7=	12-7=
9-6=	10-8=	11-8=	12-8=
9-7=	10-9=	11-9=	12-9=
9-8=		11-10=	12-10=
9-9=			12-11=

Hundreds chart backwards Fill in the chart

100									
									1

Two digit addition

Remember we add the right hand side first---the ones place

$$\begin{array}{r} 44 \\ +21 \\ \hline 5 \end{array}$$

Then we move to the next column to the left and do that---the tens place

$$\begin{array}{r} 44 \\ +21 \\ \hline 65 \end{array}$$

Let's practice:

22	55	65	87	32	11
+53	+84	+11	+42	+65	+77
75	33	60	81	17	13
+22	+44	+28	+18	+32	+44
65	32	70	20	20	54
+22	+77	+27	+45	+11	+23
65	30	20	10	50	70
+20	+20	+49	+43	+89	+31
22	77	66	88	32	91
+66	+11	+33	+11	+60	+8

Write < > =

3+2_____7-5 6+8_____12-5

6+6_____19-6 7+9_____10-5

8+6_____3+2 5+5_____10-9

87_____99 54_____80

22_____78 66_____81

11_____11 20_____20

9_____9 8_____88

4_____14 44_____41

We find the difference when we subtract, and we begin in the ones place.

$$\begin{array}{r} 65 \\ -23 \\ \hline 2 \end{array}$$

Then we move to the tens place and subtract

$$\begin{array}{r} 65 \\ -23 \\ \hline 42 \end{array}$$

The difference is 4 tens and 2 ones.
Practice with the following:

87	45	86	99	57	49
-25	-32	-74	-88	-46	-38

86	89	55	87	54	20
-75	-71	-45	-44	-11	-10

70	50	90	40	50	20
-40	-30	-80	-10	-20	-10

87	53	78	97	22	67
-20	-10	-70	-21	-1	-21

87	43	57	55	54	21
-11	-33	-47	-25	-34	-11

17	55	23	76	43	32
-6	-4	-2	-5	-0	-2

Grab a handful of change from my coin jar……
Show me the following amounts:

How much is a penny worth?_____

How much is a nickel worth?_____

How much is a dime worth?_____

How much is a quarter worth?_____

$ .43 $.78 $.66 $.20 $.29

How many quarters make $1.00?_____

How many dimes make $1.00?_____

How many nickels make $1.00?_____

How many pennies make $1.00?_____

Count by 10's

County by 25's

County by 5's

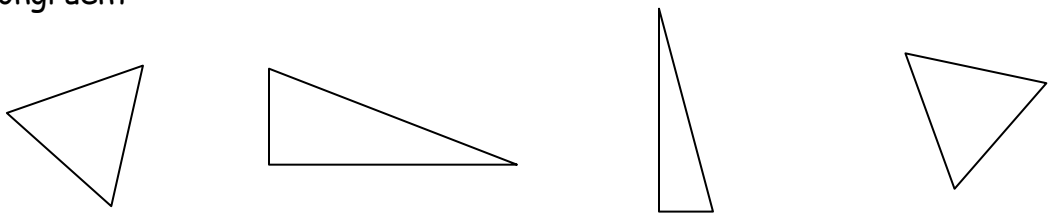
Shapes

A rectangle has how many sides?_____
Draw me one

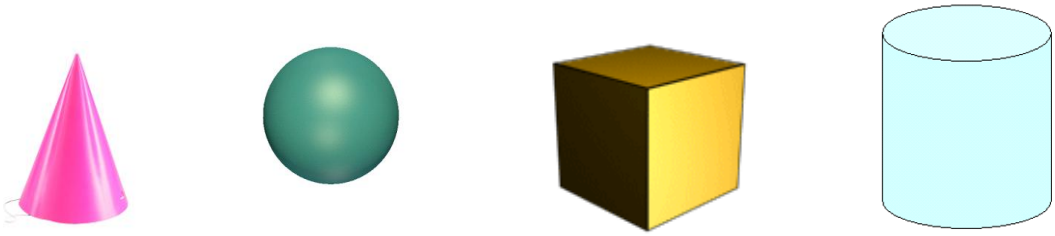
A square has how many sides?_____
Draw me one

A circle has how many sides?_____
Draw me one

When two triangles are the same size and shape, we say they are congruent. Which two are congruent



Here are some more geometrical shapes



Cone sphere cube cylinder

List some things that are this shape
Cone_____- _____

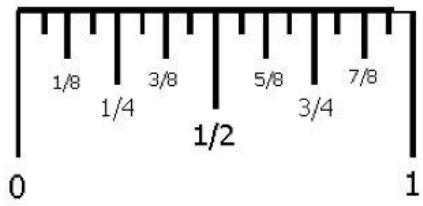
Sphere_____- _____

Cube_____- _____

Cylinder_____- _____

Measurement

Get out your rulers. We are going to learn how to measure to the 1" and the 1/2" today



Measure the following lines to the nearest $\frac{1}{2}$ inch or inch

_____ _____inches

_____ _____inches

_____ _____inches

_____ _____inches

Now measure your pencil _____inches

Measure your piece of paper _____inches

Measure your finger _____inches

Measure your foot _____inches

Measure a spoon _____inches

Count by 5's

Calendar

How many months are there in one year?_____

Name all of the months to mom……..

What number month is your birthday?_____

How many days of the week are there?_____

Write the days of the week?_____,_____,

_____,_____

_____,_____

_____,_____

Name me a month that spring occurs?_____

Name me a month that winter occurs?_____

Name me a month when summer occurs?_____

Name me a month when falls occurs?_____

What day was it yesterday?_____

What day is it tomorrow?_____

What day do we goto church on?_____

What day does the weekend begin on?_____

When is your birthday?_____

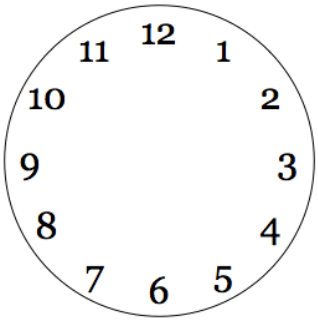
What is todays date—the month, day, and year?_____

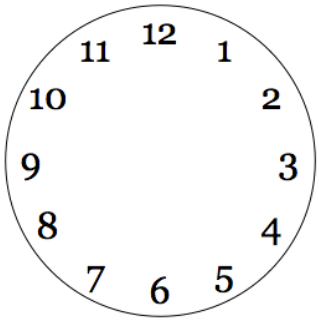
What year is it?_____

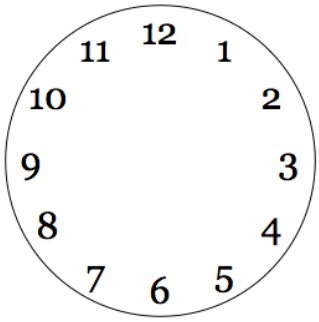
What year were you born in?_____

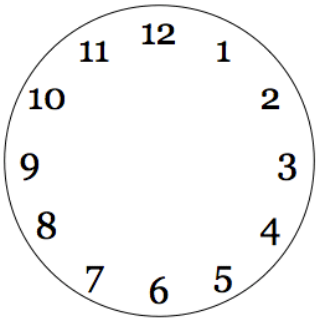
Telling time to the hour and half hour

Write the following times on the clock:


2:00

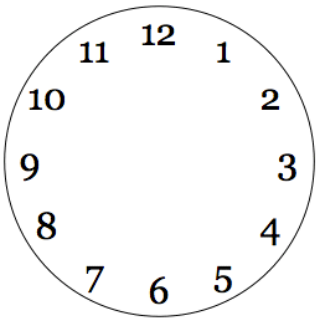

5:00

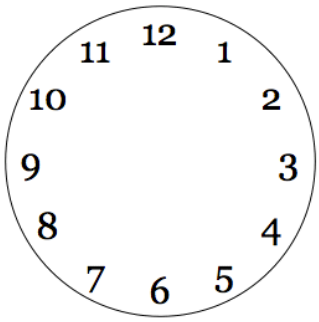

12:00

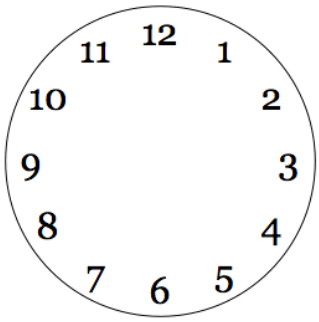

1:00

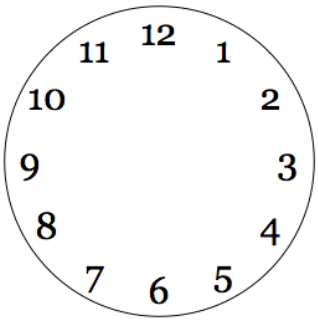
What time does that say? 2' o clock
The long hand is the hour hand. The short hand is the minute hand.

Write the times:

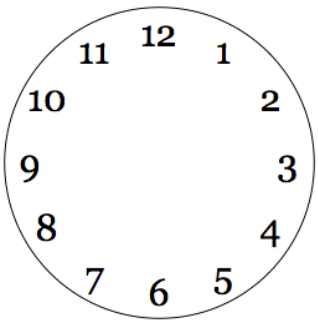

3:30

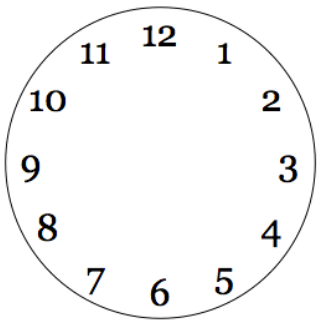

7:30

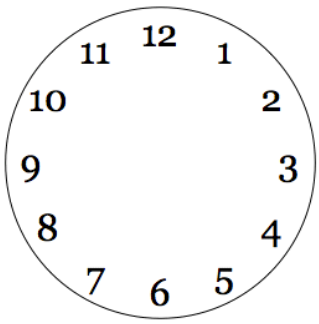

12:30

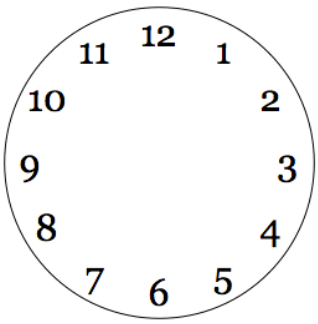

9:30

Write the following times


6:30


9:00


4:00


5:30

Count by 5's

Count by 25's

Count by 10's

Count by 5's backwards

100	95								

Count by 2's these are called EVEN numbers

Count by 2's starting at 1 these are called ODD numbers

1	3								

Write if the number is ODD or EVEN. Even means that it has a pair. Odd means it is by itself.

2_____ 4_____1_____

8_____3_____7_____

Measurement in centimeters. Most countries use the metric system for measuring. The United States is one of the very few who use standard unit of measure. It is good to learn both. Flip your ruler around and measure the following lines in centimeters.

_____ _____cm

_____ _____cm

_____ _____cm

_____ _____cm

_____

_____cm

Measure your pencil in centimeters _____cm

Measure your finger in centimeters _____cm

Measure your book in centimeters _____cm

Measure you sisters ear in centimeters _____cm

Measure your toe in centimeters _____cm

Measure your mouth in centimeters _____cm

Write me the even numbers starting at 2

Write me the odd numbers starting at 1

0+0=	1+0=	2+0=	3+0=	4+0=
	0+1=	1+1=	2+1=	3+1=
		0+2=	1+2=	2+2=
			0+3=	1+3=
				0+4=

5+0=	6+0=	7+0=	8+0=	
4+1=	5+1=	6+1=	7+1=	
3+2=	4+2=	5+2	6+2=	
2+3=	3+3=	4+3=	5+3=	
1+4=	2+4=	3+4=	4+4=	
0+5=	1+5=	2+5=	3+5=	
	0+6=	1+6=	2+6=	
		0+7=	1+7=	
			0+8=	

9+0=	9+1=	10+1=	11+1=	
8+1=	8+2=	9+2=	10+2=	
7+2=	7+3=	8+3=	9+3=	
6+3=	6+4=	7+4=	8+4=	
5+4=	5+5=	6+5=	7+5=	
4+5=	4+6=	5+6=	6+6=	
3+6=	3+7=	4+7=	5+7=	
2+7=	2+8=	3+8=	4+8=	
1+8=	1+9=	2+9=	3+9=	
0+9=		1+10=	2+10=	1+11=

Greater than or less than or equal to

432_____9	5+2_____8
17_____5+5	30_____30
11_____6+5	5+5_____10
54_____87	98_____76
121_____65	765_____7

43

2

0-0=

1-0=

1-1=

2-0=

2-1=

2-2=

3-0=

3-1=

3-2=

3-3=

4-0=

4-1=

4-2=

4-3=

4-4=

5-0=

5-1=

5-2=

5-3=

5-4=

5-5=

6-0=

6-1=

6-2=

6-3=

6-4=

6-5=

6-6=

7-0=

7-1=

7-2=

7-3=

7-4=

7-5=

7-6=

7-7=

8-0=

8-1=

8-2=

8-3=

8-4=

8-5=

8-6=

8-7=

8-8=

9-0=

9-1=

9-2=

9-3=

9-4=

9-5=

9-6=

9-6=

9-7=

9-8=

9-9=

10-1=

10-2=

10-3=

10-4=

10-5=

10-6=

10-7=

10-8=

10-9=

11-1=

11-2=

11-3=

11-4=

11-5=

11-6=

11-7=

11-8=

11-9=

11-10=

12-1=

12-2=

12-3=

12-4=

12-5=

12-6=

12-7=

12-8=

12-9=

12-10=

12-11=

Remember when you add numbers together, the numbers you add are called the addends. The answer you get is called the sum

4+3 = 7
Addend = sum

When you subtract, the number you get left over is called the difference. In 8-2=6, the difference is 6.

Remember ODD and EVEN???
The even numbers have pairs. The odd numbers do not. Set out 4 crayons. Set them in pairs of 2. Do you see how 4 has an EVEN set of pairs?
Now set out 7 crayons. Make them into pairs. You have one left over---that is why 7 is ODD

A good way to remember this: if the number ends in 0,2,4,6,8 then the number is even.

Circle the EVEN numbers

4	6	7	3	9	2
13	46	82	1	32	80
43	21	17	8	66	57
89	21	97	54	63	21

What number comes next:

2	4				12				
5	10								
11	21				61				
21	25	29							

Tally marks.
Sometimes you need to record a bunch of numbers quickly. Using tally marks is an easy way to do that.

You mark down 4 straight lines and for the 5th line you go across. This way it is easy to count by 5s when you need to add them up quickly.

 This means 5

Write how many tally marks in the following:

 _____

 _____

 _____

Use tally marks to tally how many crayons we have in the crayon box? _____

How many pencils do we have in the pencil jar? _____

How many spoons do we have in the spoon container? _____

How many people do we have in our family? _____

How many windows are in our house? _____

How many doors are in our home? _____

How many people like snow in our home? _____

How many people have brown eyes in our home? _____

Graphs

Color in the following graphs with the correct information;

Our favorite fruits

Bananas								
Oranges								
Apples								
Grapes								
kiwi								

0 1 2 3 4 5 6 7 8

The number of people that enjoy bananas is five. Three people like oranges. Seven people like apples and two people like grapes. The number of people who like kiwi is two less than apples.

What is the fruit that is liked the most?_____

What is the fruit that is liked the least?_____

Our Pets

8				
7				
6				
5				
4				
3				
2				
1				
0				
	Dogs	cats	birds	fish

The number of dogs we have had is 5 less than 2. The number of cats is double of 4. The number of birds is one more than the number of dogs. The number of fish is double that of cats.

You should remember how to write the words out for the numbers 1-10.

Let's practice by writing the words out

1_____

2_____

3_____

4_____

5_____

6_____

7_____

8_____

9_____

10_____

Let's learn how to write by 10's—copy them on back of this 5 times each.

10	ten	60	sixty
20	twenty	70	seventy
30	thirty	80	eighty
40	forty	90	ninety
50	fifty	100	one hundred

Circle the ODD numbers

4	6	7	3	9	2
13	46	82	1	32	80
43	21	17	8	66	57
89	21	97	54	63	21

Let's learn some more number words---copy them on the back 5 times each

11 eleven	16 sixteen
12 twelve	17 seventeen
13 thirteen	18 eighteen
14 fourteen	19 nineteen
15 fifteen	20 twenty

Write the words for 10-100 by tens

_____ _____

_____ _____

_____ _____

_____ _____

_____ _____

Write the words for 1-10

_____ _____

_____ _____

_____ _____

_____ _____

_____ _____

Count by 5's

Count by 25's

0+0=	1+0=	2+0=	3+0=	4+0=
	0+1=	1+1=	2+1=	3+1=
		0+2=	1+2=	2+2=
			0+3=	1+3=
				0+4=

5+0=	6+0=	7+0=	8+0=	
4+1=	5+1=	6+1=	7+1=	
3+2=	4+2=	5+2	6+2=	
2+3=	3+3=	4+3=	5+3=	
1+4=	2+4=	3+4=	4+4=	
0+5=	1+5=	2+5=	3+5=	
	0+6=	1+6=	2+6=	
		0+7=	1+7=	
			0+8=	

9+0=	9+1=	10+1=	11+1=	
8+1=	8+2=	9+2=	10+2=	
7+2=	7+3=	8+3=	9+3=	
6+3=	6+4=	7+4=	8+4=	
5+4=	5+5=	6+5=	7+5=	
4+5=	4+6=	5+6=	6+6=	
3+6=	3+7=	4+7=	5+7=	
2+7=	2+8=	3+8=	4+8=	
1+8=	1+9=	2+9=	3+9=	
0+9=		1+10=	2+10=	1+11=

Write the words out for the following numbers:

1_____

2_____

3_____

4_____

5_____

6_____

7_____

8_____

9_____

10_____

Subtraction facts 0-12

0-0=	1-0=	2-0=	3-0=	4-0=
	1-1=	2-1=	3-1=	4-1=
		2-2=	3-2=	4-2=
			3-3=	4-3=
				4-4=

5-0=	6-0=	7-0=	8-0=
5-1=	6-1=	7-1=	8-1=
5-2=	6-2=	7-2=	8-2=
5-3=	6-3=	7-3=	8-3=
5-4=	6-4=	7-4=	8-4=
5-5=	6-5=	7-5=	8-5=
	6-6=	7-6=	8-6=
		7-7=	8-7=
			8-8=

9-0=	10-1=	11-1=	12-1=
9-1=	10-2=	11-2=	12-2=
9-2=	10-3=	11-3=	12-3=
9-3=	10-4=	11-4=	12-4=
9-4=	10-5=	11-5=	12-5=
9-5=	10-6=	11-6=	12-6=
9-6=	10-7=	11-7=	12-7=
9-6=	10-8=	11-8=	12-8=
9-7=	10-9=	11-9=	12-9=
9-8=		11-10=	12-10=
9-9=			12-11=

You have been practicing writing numbers. When you write the numbers such as "21" it is written with a hyphen twenty-one. 45 is written forty-five

Write the following numbers in words:

14_____ 27_____

33_____ 53_____

59_____ 76_____

22_____ 30_____

20_____ 9_____

1_____ 0_____

100_____ 45_____

88_____ 17_____

16_____ 11_____

Count by the odd numbers starting at 1

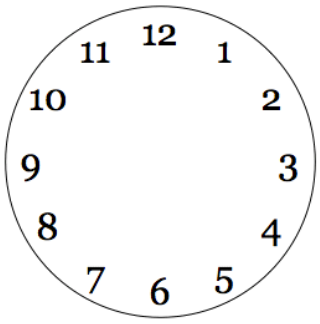
Count by the even numbers starting at 2

Give me an example of the following shapes:

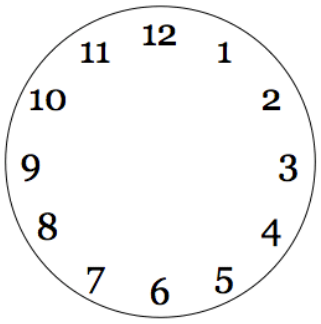
Sphere_____cone_____

Cylinder_____cube_____

Telling time to the quarter hour and quarter till hour
Fill in the clock hands:



7:30



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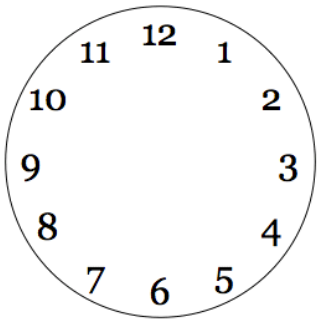
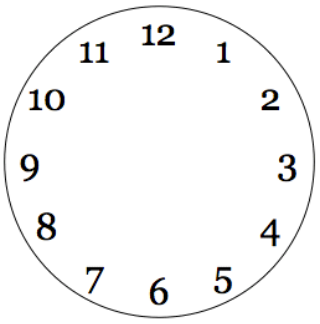
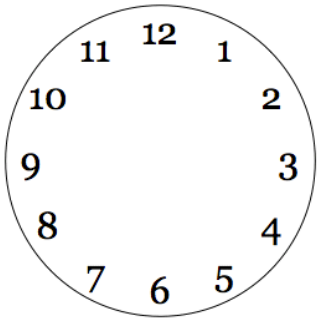


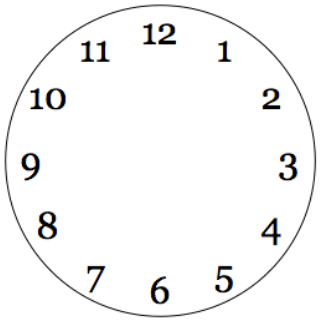
2:45



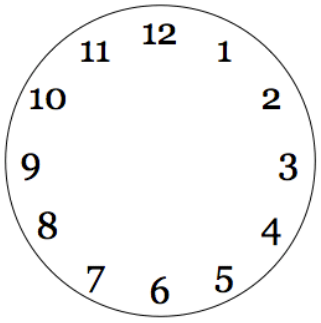
3:00



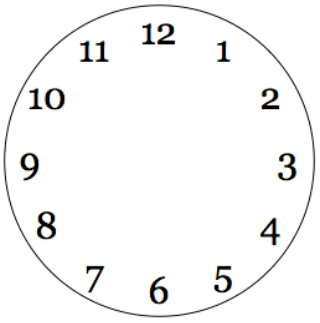
1:30



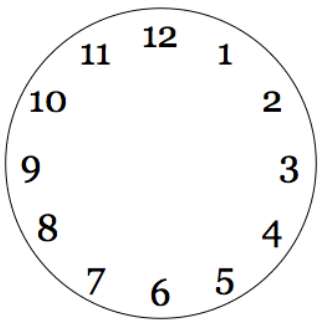
12:15



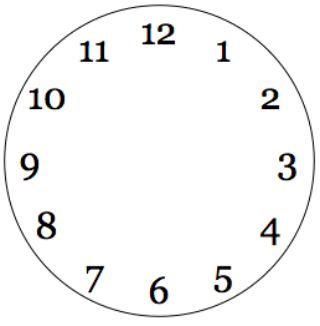
7:45



9:00



What time should you goto bed: _____:_____



What time does church begin:_____:_____

More addition facts 13-18

9+4=	9+5=	9+6=	9+7=	9+8=	9+9=
8+5=	8+6=	8+7=	8+8=	8+9=	
7+6=	7+7=	7+8=	7+9=		
6+7=	6+8=	6+9=			
5+8=	5+9=				
4+9=					

9+4=	9+5=	9+6=	9+7=	9+8=	9+9=
8+5=	8+6=	8+7=	8+8=	8+9=	
7+6=	7+7=	7+8=	7+9=		
6+7=	6+8=	6+9=			
5+8=	5+9=				
4+9=					

9+4=	9+5=	9+6=	9+7=	9+8=	9+9=
8+5=	8+6=	8+7=	8+8=	8+9=	
7+6=	7+7=	7+8=	7+9=		
6+7=	6+8=	6+9=			
5+8=	5+9=				
4+9=					

Just a little known fact:
It doesn't matter what order you add in, your answer will still be the same.

Write the numbers for 10-100 counting by 10s

10_____

20_____

30_____

40_____

50_____

60_____

70_____

80_____

90_____

100_____

Addition speed test

1 +4	0 +5	3 +5	0 +8	1 +9	8 +6	5 +7	0 +3	2 +1	5 +6
4 +7	1 +6	4 +0	7 +7	3 +8	9 +0	1 +5	6 +7	5 +2	2 +0
5 +3	4 +2	3 +7	6 +9	9 +8	9 +2	4 +8	8 +8	5 +8	9 +1
0 +4	1 +1	8 +0	2 +2	3 +1	5 +5	2 +7	2 +4	0 +2	4 +4
7 +5	8 +9	3 +0	6 +1	9 +4	0 +6	9 +7	3 +4	0 +1	9 +3
4 +3	7 +9	2 +6	9 +5	1 +2	8 +1	5 +9	0 +0	5 +1	7 +8
6 +6	1 +3	6 +8	7 +6	7 +3	9 +9	0 +7	7 +4	1 +7	5 +4
2 +8	6 +5	2 +9	4 +5	8 +7	6 +4	3 +6	1 +0	7 +2	3 +3
4 +1	4 +6	7 +1	0 +9	1 +8	9 +6	7 +0	2 +3	8 +2	6 +2
8 +4	2 +5	4 +9	6 +0	3 +2	8 +3	3 +9	5 +0	6 +3	8 +5

Write the words for 11-20

11_____

12_____

13_____

14_____

15_____

16_____

17_____

18_____

19_____

20_____

Addition test

1 +4	0 +5	3 +5	0 +8	1 +9	8 +6	5 +7	0 +3	2 +1	5 +6
4 +7	1 +6	4 +0	7 +7	3 +8	9 +0	1 +5	6 +7	5 +2	2 +0
5 +3	4 +2	3 +7	6 +9	9 +8	9 +2	4 +8	8 +8	5 +8	9 +1
0 +4	1 +1	8 +0	2 +2	3 +1	5 +5	2 +7	2 +4	0 +2	4 +4
7 +5	8 +9	3 +0	6 +1	9 +4	0 +6	9 +7	3 +4	0 +1	9 +3
4 +3	7 +9	2 +6	9 +5	1 +2	8 +1	5 +9	0 +0	5 +1	7 +8
6 +6	1 +3	6 +8	7 +6	7 +3	9 +9	0 +7	7 +4	1 +7	5 +4
2 +8	6 +5	2 +9	4 +5	8 +7	6 +4	3 +6	1 +0	7 +2	3 +3
4 +1	4 +6	7 +1	0 +9	1 +8	9 +6	7 +0	2 +3	8 +2	6 +2
8 +4	2 +5	4 +9	6 +0	3 +2	8 +3	3 +9	5 +0	6 +3	8 +5

Circle the ones that need work on and practice them throughout today

Write the words for the following

1st

2nd

3rd

4th

5th

6th

7th

8th

9th

10th

1 +4	0 +5	3 +5	0 +8	1 +9	8 +6	5 +7	0 +3	2 +1	5 +6
4 +7	1 +6	4 +0	7 +7	3 +8	9 +0	1 +5	6 +7	5 +2	2 +0
5 +3	4 +2	3 +7	6 +9	9 +8	9 +2	4 +8	8 +8	5 +8	9 +1
0 +4	1 +1	8 +0	2 +2	3 +1	5 +5	2 +7	2 +4	0 +2	4 +4
7 +5	8 +9	3 +0	6 +1	9 +4	0 +6	9 +7	3 +4	0 +1	9 +3
4 +3	7 +9	2 +6	9 +5	1 +2	8 +1	5 +9	0 +0	5 +1	7 +8
6 +6	1 +3	6 +8	7 +6	7 +3	9 +9	0 +7	7 +4	1 +7	5 +4
2 +8	6 +5	2 +9	4 +5	8 +7	6 +4	3 +6	1 +0	7 +2	3 +3
4 +1	4 +6	7 +1	0 +9	1 +8	9 +6	7 +0	2 +3	8 +2	6 +2
8 +4	2 +5	4 +9	6 +0	3 +2	8 +3	3 +9	5 +0	6 +3	8 +5

Circle the ones you are missing and copy them ten times each or 5 times if you have a lot.

Doubles and halves

When you add a number to itself, you are doubling the number. When you add 2 and 2, you double 2. 2+2=4, so double 2 is 4. Another way to say that is twice two is four.
Practice doubling the numbers 1-9 until you know them by heart

1 +1=2
2+2=4
3+3=6
4+4=8
5+5=10
6+6=12
7+7=14
8+8=16
9+9=18

Flip over your paper and copy these above facts 4 times each.

The reason you learn these is to help in your addition. Here is an example why:
7+8= is the same as 7+7+1
7+8= 14+1
7+8=15

Try some of these double plus one problems on your own:
5+6_____ 9+8_____ 8+7_____

2+2=_____ 3+3=_____

4+4=_____ 5+5_____

6+6_____ 7+7_____

8+8_____ 9+9_____

1+1_____

Do you remember your doubles?

2+2=_____ 3+3=_____

4+4=_____ 5+5_____

6+6_____ 7+7_____

8+8_____ 9+9_____

1+1_____

If you learn your doubles up to 20, then you will also know how to divide a number in half. When you divide a candy bar in two equal parts, then each part is half. When a number is divided in two equal parts, each part is a half.
What is half of 6? You know the answer if you know what number you double to make 6. You double 3 to make 6, so 3 is half of 6.

What is half of the following numbers:

20_____ 4_____

16_____ 6_____

8_____ 12_____

10_____ 14_____

2_____ 18_____

Counting by 2's start at 9

Count by 10's starting at 18

1 +4	0 +5	3 +5	0 +8	1 +9	8 +6	5 +7	0 +3	2 +1	5 +6
4 +7	1 +6	4 +0	7 +7	3 +8	9 +0	1 +5	6 +7	5 +2	2 +0
5 +3	4 +2	3 +7	6 +9	9 +8	9 +2	4 +8	8 +8	5 +8	9 +1
0 +4	1 +1	8 +0	2 +2	3 +1	5 +5	2 +7	2 +4	0 +2	4 +4
7 +5	8 +9	3 +0	6 +1	9 +4	0 +6	9 +7	3 +4	0 +1	9 +3
4 +3	7 +9	2 +6	9 +5	1 +2	8 +1	5 +9	0 +0	5 +1	7 +8
6 +6	1 +3	6 +8	7 +6	7 +3	9 +9	0 +7	7 +4	1 +7	5 +4
2 +8	6 +5	2 +9	4 +5	8 +7	6 +4	3 +6	1 +0	7 +2	3 +3
4 +1	4 +6	7 +1	0 +9	1 +8	9 +6	7 +0	2 +3	8 +2	6 +2
8 +4	2 +5	4 +9	6 +0	3 +2	8 +3	3 +9	5 +0	6 +3	8 +5

Sum of 10

All of the problems below have a sum of 10. See if you can give fill in the missing number. These are good to learn because you will be able to do lots of math problems more easily if you know by heart the numbers that add up to 10.

9	8	4	7	2	3	1	5	6
+	+	+	+	+	+	+	+	+
10	10	10	10	10	10	10	10	10

Did you know that addition is the opposite of subtraction??? And vice versa???
You can check your answers to your problems by doing the opposite operation

5+8= 13 so 13-8=5 or 13-5=8

This will be helpful as we get into double digit addition and subtraction more. It will also help in the following problems. If you do the opposite operation you can find your missing number. Ask Mom

Find the missing number:

3 + ____= 5

9+_____=17

7+_____=12

2+_____=12

12-_____=6

10-_____=5

18-_____=9

20-____=10

Do you remember your doubles?

2+2=_____

3+3=_____

4+4=_____

5+5_____

6+6_____

7+7_____

8+8_____

9+9_____

1+1_____

Two digit regroup addition

We know how to add 2 digit numbers like 21 +11= 32 We first do the right side, the ones and then the tens group. Now sometimes our ones group will add up to more than 9 and then we will have to regroup or carry.

```
 1
  52
+28
 8 0
```

Solve:

43	32	66	72	89	33	30	93
+28	+29	+44	+19	+11	+67	+70	+27

If you need more help, flip your paper over and we will do more problems.

Adding three numbers

73	34	53	22	11	32	73
51	11	31	62	17	53	9
+14	+67	+17	+56	+23	+27	+11

Do you remember your doubles?

2+2=_____ 3+3=_____

4+4=_____ 5+5_____

6+6_____ 7+7_____

8+8_____ 9+9_____

1+1_____

1 +4	0 +5	3 +5	0 +8	1 +9	8 +6	5 +7	0 +3	2 +1	5 +6
4 +7	1 +6	4 +0	7 +7	3 +8	9 +0	1 +5	6 +7	5 +2	2 +0
5 +3	4 +2	3 +7	6 +9	9 +8	9 +2	4 +8	8 +8	5 +8	9 +1
0 +4	1 +1	8 +0	2 +2	3 +1	5 +5	2 +7	2 +4	0 +2	4 +4
7 +5	8 +9	3 +0	6 +1	9 +4	0 +6	9 +7	3 +4	0 +1	9 +3
4 +3	7 +9	2 +6	9 +5	1 +2	8 +1	5 +9	0 +0	5 +1	7 +8
6 +6	1 +3	6 +8	7 +6	7 +3	9 +9	0 +7	7 +4	1 +7	5 +4
2 +8	6 +5	2 +9	4 +5	8 +7	6 +4	3 +6	1 +0	7 +2	3 +3
4 +1	4 +6	7 +1	0 +9	1 +8	9 +6	7 +0	2 +3	8 +2	6 +2
8 +4	2 +5	4 +9	6 +0	3 +2	8 +3	3 +9	5 +0	6 +3	8 +5

We will now be going on to subtraction, if you need more help be sure to keep practicing these numbers

Subtraction facts 13-18

13-4=	14-5=	15-6=	16-7=	17-8=	18-9=
13-5=	14-6=	15-7=	16-8=	17-9=	
13-6=	14-7=	15-8=	16-9=		
13-7=	14-8=	15-9=			
13-8=	14-9=				
13-9=					

13-4=	14-5=	15-6=	16-7=	17-8=	18-9=
13-5=	14-6=	15-7=	16-8=	17-9=	
13-6=	14-7=	15-8=	16-9=		
13-7=	14-8=	15-9=			
13-8=	14-9=				
13-9=					

13-4=	14-5=	15-6=	16-7=	17-8=	18-9=
13-5=	14-6=	15-7=	16-8=	17-9=	
13-6=	14-7=	15-8=	16-9=		
13-7=	14-8=	15-9=			
13-8=	14-9=				
13-9=					

Fill in the missing numbers:

13-_____=5 15-_____=5 9-_____=6

20-_____=10 8-_____=2 6-_____=2

Circle the Even numbers

2	6	7	4	20	8	3	9	11
1	3	5	5	17	14	13	19	21
6	3	7	9	19	29	37	46	53

Regroup subtraction two digit

We know how to subtract with two digits. We start in the right side, the ones place and then move to the tens place. But sometimes when we start in the ones place, we can't. Here is an example:

$$\begin{array}{r} 32 \\ -17 \\ \hline \end{array}$$

When you look at the ones column you have "2 take away 7" but you can't take 7 from 2…there isn't enough to take. So we borrow from the "neighbor" the tens place.

When we move from column to column it is 10 tens the amount So we borrow from 3 and it becomes 2. Then we take that "1" we borrow and put it in front of our 2.

$$\begin{array}{r} {}^{2}\not{3}\,{}^{1}2 \\ -17 \\ \hline \end{array}$$

Now we have 12-7. Then we can solve it 15

We then do the tens column

If this is confusing. Get a visual. Imagine or actually get some popsicle sticks and put them in 3 groups of 10 . Then grab 2 extra. This represents the 32. Do the same for 17. 1 group of 10 popsicle sticks and 7 separate.

Set them up on the table as you would write the actual number problem out. When you borrow, you take an entire group of 10 popsicle sticks and add them to your group of 2. You are "regrouping" them together.

**Just remember when you go to subtract, always look at your top number if it is smaller than the bottom, then you have to "borrow from your neighbor."

Let's practice:

25	43	21	42	84	63	21
-17	-27	- 9	-19	-65	-39	-18

75	94	72	61	84	85	91
-48	-69	-53	-44	-76	-66	-72

43	57	87	65	99	65	54
-21	-43	-73	-54	-66	-42	-18

Subtraction facts 13-18

13-4=	14-5=	15-6=	16-7=	17-8=	18-9=
13-5=	14-6=	15-7=	16-8=	17-9=	
13-6=	14-7=	15-8=	16-9=		
13-7=	14-8=	15-9=			
13-8=	14-9=				
13-9=					

Remember when we said that addition is the opposite of subtraction? Well this comes in handy for checking your answers to make sure you are right.

$$\begin{array}{r} {}^{2} \\ \not{3}2 \\ -17 \\ \hline 15 \end{array}$$

Let's check to make sure you did it correctly. Let's add

$$\begin{array}{r} \backslash \\ 15 \\ +17 \\ \hline 32 \end{array}$$

See how it just goes backwards? That is a good thing to do when you want to double check your answers.

Let's do some subtraction problems and then you rewrite them next to it and check and make sure the answers are correct.

43	57	21
-17	-38	-11

Did they all check out correctly? If not redo the problem.

Do you remember your doubles?

2+2=_____ 3+3=_____

4+4=_____ 5+5_____

6+6_____ 7+7_____

8+8_____ 9+9_____

1+1_____

9 -6	6 -0	7 -5	11 -2	9 -4	4 -4	5 -3	8 -1	12 -7	3 -2
0 -0	14 -7	11 -9	7 -6	2 -1	10 -5	8 -0	15 -7	6 -4	13 -6
5 -2	17 -9	6 -5	1 -0	13 -8	9 -0	10 -2	8 -6	3 -1	16 -8
11 -5	7 -1	6 -3	12 -4	9 -8	4 -2	5 -1	2 -0	14 -9	7 -7
16 -9	3 -0	8 -8	5 -4	12 -8	11 -3	6 -1	10 -7	4 -0	14 -5
10 -3	8 -2	9 -9	18 -9	5 -0	10 -9	12 -6	8 -3	10 -6	2 -2
14 -8	6 -6	7 -4	11 -8	13 -4	9 -3	6 -2	5 -5	15 -9	7 -0
11 -6	15 -8	9 -1	7 -2	3 -3	14 -6	8 -4	1 -1	12 -5	15 -6
12 -9	11 -7	7 -3	4 -1	13 -5	17 -8	10 -1	13 -9	16 -7	11 -4
10 -8	8 -5	4 -3	9 -7	10 -4	9 -2	12 -3	13 -7	9 -5	8 -7

Adding and subtracting horizontally and vertically and in your head.

We know that addition and subtraction problems can be written in two ways: across or up and down. We also say that when a problem is written across it is called horizontally. One that is written up and down in called vertically. The answer still comes out the same. Just a different way of writing them.

Horitzontally	Vertically
21 +10= 31	21 +10 31

When you see a two digit problem written horizontally, it is easier if you rewrite it to become a vertical one.

Subtraction facts 13-18

13-4=	14-5=	15-6=	16-7=	17-8=	18-9=
13-5=	14-6=	15-7=	16-8=	17-9=	
13-6=	14-7=	15-8=	16-9=		
13-7=	14-8=	15-9=			
13-8=	14-9=				
13-9=					

Mental math.

For this part, I want you to hand this paper to your mom and let her read it to you. You answer the question in your head and write the answer down on paper.

1. What is 10 plus 10 plus 5?
2. What is 20 minus 5 plus 2?
3. What are 3 groups of 10?
4. What is the number 5 doubled?
5. What is 100 plus 100 minus 2?
6. How many sides does a square have?
7. Write the number 542
8. Write the even numbers from 2-10
9. What is half of 18?
10. What is half of 14?

9 -6	6 -0	7 -5	11 -2	9 -4	4 -4	5 -3	8 -1	12 -7	3 -2
0 -0	14 -7	11 -9	7 -6	2 -1	10 -5	8 -0	15 -7	6 -4	13 -6
5 -2	17 -9	6 -5	1 -0	13 -8	9 -0	10 -2	8 -6	3 -1	16 -8
11 -5	7 -1	6 -3	12 -4	9 -8	4 -2	5 -1	2 -0	14 -9	7 -7
16 -9	3 -0	8 -8	5 -4	12 -8	11 -3	6 -1	10 -7	4 -0	14 -5
10 -3	8 -2	9 -9	18 -9	5 -0	10 -9	12 -6	8 -3	10 -6	2 -2
14 -8	6 -6	7 -4	11 -8	13 -4	9 -3	6 -2	5 -5	15 -9	7 -0
11 -6	15 -8	9 -1	7 -2	3 -3	14 -6	8 -4	1 -1	12 -5	15 -6
12 -9	11 -7	7 -3	4 -1	13 -5	17 -8	10 -1	13 -9	16 -7	11 -4
10 -8	8 -5	4 -3	9 -7	10 -4	9 -2	12 -3	13 -7	9 -5	8 -7

Rounding to the nearest ten

Sometimes, it is easier to round numbers instead of having an exact count. Like if I needed to buy some candy for a class of 27 people, it would be easier just to say that I buy for 30 people. I rounded the number 27 to 30.

How do we determine what number we round it to? If your number ends in a 5 or more it goes to the next tens number. If it is less than 5 then it goes to the lower tens.

For example----grab your ruler so you can see this.

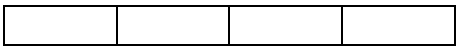
Take the number 17. The tens that it is in between is 10 and 20. Now we look at the right hand side number, is it 5 or more? Then the number rounds to the 20.

This is true because 5 is our halfway number in the tens. If anything is on that or more, we round up. If it is less it goes down.

Lets do some figuring. Write down the tens that comes before and after the number. Then CIRCLE the number it rounds up to.

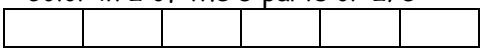
_____18_____	_____65_____	_____22_____
_____84_____	_____52_____	_____43_____
_____11_____	_____77_____	_____35_____

Fractions

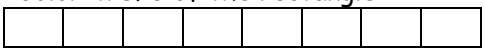


Color in 3 parts of the 4 equally split rectangle parts. This means that 3 of the 4 parts are colored. $\frac{3}{4}$ is the fraction

Color in 2 of the 5 parts or 2/5

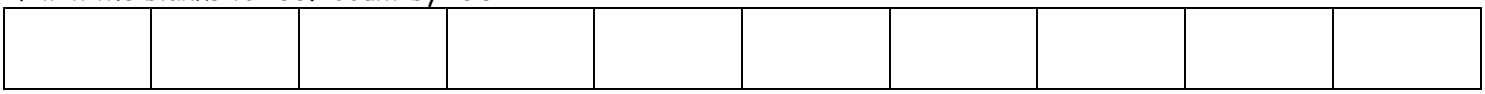


Color in 5/6 of the rectangle



Color in 7/8 of the rectangle

Fill in the blanks to 100. Count by 10's



From this we can say that there are 10 tens in one hundred.

Let's write out the following numbers in words:

100_____	500_____
200_____	600_____
300_____	700_____
400_____	800_____
	900_____

9 -6	6 -0	7 -5	11 -2	9 -4	4 -4	5 -3	8 -1	12 -7	3 -2
0 -0	14 -7	11 -9	7 -6	2 -1	10 -5	8 -0	15 -7	6 -4	13 -6
5 -2	17 -9	6 -5	1 -0	13 -8	9 -0	10 -2	8 -6	3 -1	16 -8
11 -5	7 -1	6 -3	12 -4	9 -8	4 -2	5 -1	2 -0	14 -9	7 -7
16 -9	3 -0	8 -8	5 -4	12 -8	11 -3	6 -1	10 -7	4 -0	14 -5
10 -3	8 -2	9 -9	18 -9	5 -0	10 -9	12 -6	8 -3	10 -6	2 -2
14 -8	6 -6	7 -4	11 -8	13 -4	9 -3	6 -2	5 -5	15 -9	7 -0
11 -6	15 -8	9 -1	7 -2	3 -3	14 -6	8 -4	1 -1	12 -5	15 -6
12 -9	11 -7	7 -3	4 -1	13 -5	17 -8	10 -1	13 -9	16 -7	11 -4
10 -8	8 -5	4 -3	9 -7	10 -4	9 -2	12 -3	13 -7	9 -5	8 -7

fill in the number chart starting at 101

101									110
					116				
							128		
									150
								159	
161									
		173							
			184						
								199	

When you count in the hundreds, you don't say one hundred AND one. You say one hundred one.

Count by 100 to 1000

Count by 50's to 1000

Count by 10s starting at 500

500	510								

Count by 5's starting at 325

325	350								

9 -6	6 -0	7 -5	11 -2	9 -4	4 -4	5 -3	8 -1	12 -7	3 -2
0 -0	14 -7	11 -9	7 -6	2 -1	10 -5	8 -0	15 -7	6 -4	13 -6
5 -2	17 -9	6 -5	1 -0	13 -8	9 -0	10 -2	8 -6	3 -1	16 -8
11 -5	7 -1	6 -3	12 -4	9 -8	4 -2	5 -1	2 -0	14 -9	7 -7
16 -9	3 -0	8 -8	5 -4	12 -8	11 -3	6 -1	10 -7	4 -0	14 -5
10 -3	8 -2	9 -9	18 -9	5 -0	10 -9	12 -6	8 -3	10 -6	2 -2
14 -8	6 -6	7 -4	11 -8	13 -4	9 -3	6 -2	5 -5	15 -9	7 -0
11 -6	15 -8	9 -1	7 -2	3 -3	14 -6	8 -4	1 -1	12 -5	15 -6
12 -9	11 -7	7 -3	4 -1	13 -5	17 -8	10 -1	13 -9	16 -7	11 -4
10 -8	8 -5	4 -3	9 -7	10 -4	9 -2	12 -3	13 -7	9 -5	8 -7

Fill in the number chart starting at 101

101									

Count by tens starting at 28

Count by tens from 147

Count backwards from 235 by tens

Write the following in words: remember to leave out the word "and"

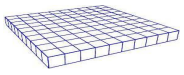
434_____ 767_____

225_____ 607_____

13-4=	14-5=	15-6=	16-7=	17-8=	18-9=
13-5=	14-6=	15-7=	16-8=	17-9=	
13-6=	14-7=	15-8=	16-9=		
13-7=	14-8=	15-9=			
13-8=	14-9=				
13-9=					

9 -6	6 -0	7 -5	11 -2	9 -4	4 -4	5 -3	8 -1	12 -7	3 -2
0 -0	14 -7	11 -9	7 -6	2 -1	10 -5	8 -0	15 -7	6 -4	13 -6
5 -2	17 -9	6 -5	1 -0	13 -8	9 -0	10 -2	8 -6	3 -1	16 -8
11 -5	7 -1	6 -3	12 -4	9 -8	4 -2	5 -1	2 -0	14 -9	7 -7
16 -9	3 -0	8 -8	5 -4	12 -8	11 -3	6 -1	10 -7	4 -0	14 -5
10 -3	8 -2	9 -9	18 -9	5 -0	10 -9	12 -6	8 -3	10 -6	2 -2
14 -8	6 -6	7 -4	11 -8	13 -4	9 -3	6 -2	5 -5	15 -9	7 -0
11 -6	15 -8	9 -1	7 -2	3 -3	14 -6	8 -4	1 -1	12 -5	15 -6
12 -9	11 -7	7 -3	4 -1	13 -5	17 -8	10 -1	13 -9	16 -7	11 -4
10 -8	8 -5	4 -3	9 -7	10 -4	9 -2	12 -3	13 -7	9 -5	8 -7

Place value—remember these?



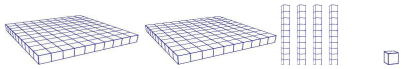
100=hundreds

10=tens

1=ones

If I had 271

Hundreds	Tens	Ones
2	4	1



Fill in the chart

Hundreds	Tens	Ones	Number
4	3	2	432
7	5	3	
7	3	9	
3	0	1	
2	0	0	
8	4	8	

We can also use expanded form of the numbers.

342=300+40+2
402=400+2 there are no tens in this number
780=700+80 there are no ones in this number

Write these numbers in expanded form:

432_____

876_____

432_____

908_____

430_____

Comparing numbers using < > =

765_____542 210_____765 900_____800 211_____432

876_____999 543_____435 232_____223 217_____712

888_____888 555_____565 876_____876 964_____984

13-4=
13-5=
13-6=
13-7=
13-8=
13-9=

14-5=
14-6=
14-7=
14-8=
14-9=

15-6=
15-7=
15-8=
15-9=

16-7=
16-8=
16-9=

17-8=
17-9=

18-9=

Count by 10's starting at 78

Count by 5's starting at 45

Count by 50's starting at 50

County by 2's starting at 28

Adding three digit numbers

This is the same as adding two digit, but you just add one more column. Start in the ones, then move to the tens, then the hundreds. Remember if you have to carry, move it to the "neighbor" next door and don't forget to add it.

345	542	876	543	432	988	590
+237	+439	+228	+445	+439	+ 45	+209

If we have to carry from the tens place to the hundreds it works the same way as from the ones to the tens.

```
  1 1
  473
+428
 901
```

765	438	555	762	798	621	439
+155	+473	+245	+238	+114	+399	+474

If you need more help, flip the paper over and do more practice

MONEY

We know how to count out money, if not we should get out the change jar and practice some amounts.

When we have a one dollar bill, this is how we write it down $1.00
$1.00 is worth the same as 100¢

You can write the amounts of money using the cents sign or the dollar sign
Cents ¢ or dollars $ $.89 or 89¢

How many quarters make $1.00_____ How many dimes make $1.00_____

How many nickels make $1.00_____How many pennies make $1.00_____

When we add/subtract money, we do it the same way as the three digit numbers BUT we make sure to MOVE DOWN the decimal.

$2.41	$1.87	$8.97	$2.81	$1.98	$4.44
+ 1.58	+3.88	+9.13	-1.49	+1.11	-2.36
3.99					

See the decimal?

$42.30	$21.88	$19.99	$10.01
-11.21	-10.44	- 9.87	- 7.00

Word problems, the trick to getting these correct is finding out what they want you to do. You have to look for some KEY words.

When you see the words: in all, altogether, how many, the sum of, total, sum this means ADD
When you see the words: how many more, difference, how many left, change(money problems) this means SUBTRACT

Let's practice:
The girls collect 257 cans for the church pop bottle rally. The boys collected 323. How many did they collect altogether?

_____

I bought a football at the store and it cost $2.75. I paid with a ten dollar bill. What change do I receive?

_____

I have 34 CD's, 25 records, and 11 books. How many total items do I have?

_____

The red team scored 78 points. The blue team scored 24. How many more points did the red team score?

_____

What is the difference in boys and girls, if we have 547 boys in our school and 243 girls?

_____

I have 20 pieces of licorice,71 pieces of gum, 8 gummy bears, and 10 chocolate stars. How many do I have in all?

_____
Evan bought a game for $9.86. Jadyn bought a game for $5.44. How much more did Evan spend?

_____

13-4=	14-5=	15-6=	16-7=	17-8=
18-9=				
13-5=	14-6=	15-7=	16-8=	17-9=
13-6=	14-7=	15-8=	16-9=	
13-7=	14-8=	15-9=		
13-8=	14-9=			
13-9=				

Measuring

12 inches on the ruler is equal to 1 foot

It isn't literally "one real foot" like yours or mine because they would be different sizes. So we set a standard of unit to use so that everyone who measures and says 1 foot, means the same thing.

How many feet are the following objects:

Table length_____

the freezer height_____

The door height_____

the length of the window_____

The length of your leg_____

how long is the fireplace_____

We use the following abbreviations when writing measurements

inches=in. **feet=ft.** **centimeters=cm**

It is important to label your measurement amounts so that people know what you are measuring in. Do this if you did not already.

Measuring time by using the calendar

2014

April

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

How many days are in April?_____ How many Wednesday are there in April?_____

What day does the 14th fall on?_____What date is the 2nd Saturday of the month?_____

How many weeks are in April?_____what is the first Tuesday of the month?_____

If today is April 4, how many more weeks until my birthday on April 18?_____

If today is April 23, how many more days until our vacation on April 27?_____

If today is April 7, how many more days until the weekend with no school?_____

Circle the 2nd Wednesday of the month.

Put an X on the 3rd weekend of the month—how many days would you mark of?

What days are included in the 5th week?_____

13-4=	14-5=	15-6=	16-7=	17-8=	18-9=
13-5=	14-6=	15-7=	16-8=	17-9=	
13-6=	14-7=	15-8=	16-9=		
13-7=	14-8=	15-9=			
13-8=	14-9=				
13-9=					

9 -6	6 -0	7 -5	11 -2	9 -4	4 -4	5 -3	8 -1	12 -7	3 -2
0 -0	14 -7	11 -9	7 -6	2 -1	10 -5	8 -0	15 -7	6 -4	13 -6
5 -2	17 -9	6 -5	1 -0	13 -8	9 -0	10 -2	8 -6	3 -1	16 -8
11 -5	7 -1	6 -3	12 -4	9 -8	4 -2	5 -1	2 -0	14 -9	7 -7
16 -9	3 -0	8 -8	5 -4	12 -8	11 -3	6 -1	10 -7	4 -0	14 -5
10 -3	8 -2	9 -9	18 -9	5 -0	10 -9	12 -6	8 -3	10 -6	2 -2
14 -8	6 -6	7 -4	11 -8	13 -4	9 -3	6 -2	5 -5	15 -9	7 -0
11 -6	15 -8	9 -1	7 -2	3 -3	14 -6	8 -4	1 -1	12 -5	15 -6
12 -9	11 -7	7 -3	4 -1	13 -5	17 -8	10 -1	13 -9	16 -7	11 -4
10 -8	8 -5	4 -3	9 -7	10 -4	9 -2	12 -3	13 -7	9 -5	8 -7

Subtraction from a three-digit number

To subtract a three-digit number, first subtract the ones, then the tens, and then the hundreds.
Do ONE column at a time. If you need to BORROW from the neighbor do so. It is VERY important that you do this nice and neat, so that you can make sure you have the correct numbers to subtract.

```
   7
 5 8 |2
-2 6  9
 3  1  3
```

You can then check your answers by adding

```
  1
 313
+269
 582
```

Practice:

765	432	654	870	906	760
-448	-217	-362	-780	-547	-471

Now check your problems in the space below to see if you got them correct. If you did not, redo the problems.

Let's learn some ordinal numbers

1st	first	6th	sixth
2nd	second	7th	seventh
3rd	third	8th	eighth
4th	fourth	9th	ninth
5th	fifth	10th	tenth

Flip your paper over and copy each word 5 times each.

Subtraction test

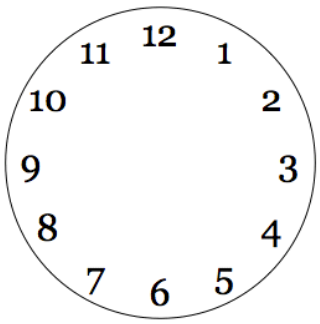
9 -6	6 -0	7 -5	11 -2	9 -4	4 -4	5 -3	8 -1	12 -7	3 -2
0 -0	14 -7	11 -9	7 -6	2 -1	10 -5	8 -0	15 -7	6 -4	13 -6
5 -2	17 -9	6 -5	1 -0	13 -8	9 -0	10 -2	8 -6	3 -1	16 -8
11 -5	7 -1	6 -3	12 -4	9 -8	4 -2	5 -1	2 -0	14 -9	7 -7
16 -9	3 -0	8 -8	5 -4	12 -8	11 -3	6 -1	10 -7	4 -0	14 -5
10 -3	8 -2	9 -9	18 -9	5 -0	10 -9	12 -6	8 -3	10 -6	2 -2
14 -8	6 -6	7 -4	11 -8	13 -4	9 -3	6 -2	5 -5	15 -9	7 -0
11 -6	15 -8	9 -1	7 -2	3 -3	14 -6	8 -4	1 -1	12 -5	15 -6
12 -9	11 -7	7 -3	4 -1	13 -5	17 -8	10 -1	13 -9	16 -7	11 -4
10 -8	8 -5	4 -3	9 -7	10 -4	9 -2	12 -3	13 -7	9 -5	8 -7

Telling time to the 5 minutes
How many minutes does it take for the minute hand to go once all the way around the clock? Or how many minutes are in one hour?

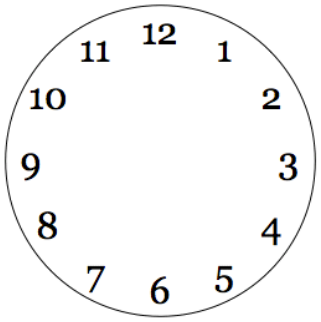
There are 60 minutes in one hour. That is how long it takes for the hand to move all the way around the clock.

On a clock, when the minute hand moves from one number to the next, 5 minutes has passed. You can count by 5's starting at the number 1 and moving around the clock.

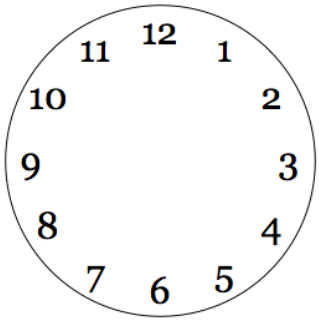
Draw the following times on the clock



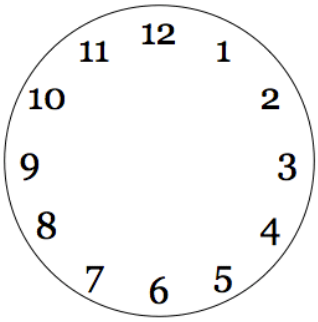
2:05



1:20



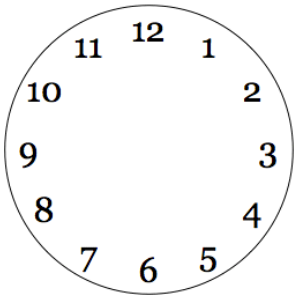
6:15



9:55

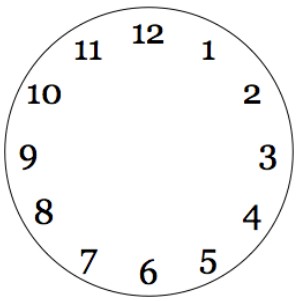
There are 30 minutes in half of an hour Instead of saying 2:30 you can say "half past 2."
If it is 1:45, you can say it is a quarter till 2.
If it is 3:15, you can say it is quarter after 3.

Fill in the following clocks:



Sarah woke up at 6:45. Her bus was picking her up at 7:30. How many minutes did she have to get ready.

_____minutes or min.



We started to drive to Tennessee at 8:30 in the morning. We got there at 12:00 noon. How long did it take to get there?-
_____min.

Keep practicing with our clock, telling time if you do not know this well.

Subtraction test

9 -6	6 -0	7 -5	11 -2	9 -4	4 -4	5 -3	8 -1	12 -7	3 -2
0 -0	14 -7	11 -9	7 -6	2 -1	10 -5	8 -0	15 -7	6 -4	13 -6
5 -2	17 -9	6 -5	1 -0	13 -8	9 -0	10 -2	8 -6	3 -1	16 -8
11 -5	7 -1	6 -3	12 -4	9 -8	4 -2	5 -1	2 -0	14 -9	7 -7
16 -9	3 -0	8 -8	5 -4	12 -8	11 -3	6 -1	10 -7	4 -0	14 -5
10 -3	8 -2	9 -9	18 -9	5 -0	10 -9	12 -6	8 -3	10 -6	2 -2
14 -8	6 -6	7 -4	11 -8	13 -4	9 -3	6 -2	5 -5	15 -9	7 -0
11 -6	15 -8	9 -1	7 -2	3 -3	14 -6	8 -4	1 -1	12 -5	15 -6
12 -9	11 -7	7 -3	4 -1	13 -5	17 -8	10 -1	13 -9	16 -7	11 -4
10 -8	8 -5	4 -3	9 -7	10 -4	9 -2	12 -3	13 -7	9 -5	8 -7

Perimeter

When you measure the length of the sides of an object and then add them all up you get the perimeter.

We know that a rectangle's sides are congruent or the same so both sides would be 4 and the other side would be 2

4 + 4 +2+2=12 inches

What is the perimeter of your book to the nearest inch?_____

What is the perimeter of this piece of paper in inches?_____

What is the perimeter of the picture frame in feet?_____

What is the perimeter of our dining room table in feet?_____

Give me an example of a sphere?_____ a cone?_____

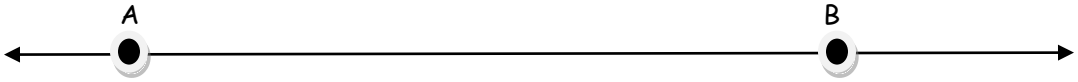
Cylinder?_____cube?_____

Points, Lines, Segments

In math, a point is an exact spot. You show a point with a dot like this: .

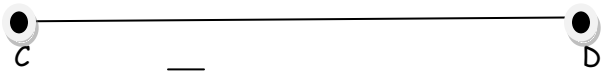
To name a point, label the point with a letter from the alphabet: . A

If you put two points on a piece of paper and then connect them, you will have a line. Here is a line going through points A and B



A line is straight and goes on forever. The arrows show that the line continues in both directions. This is $\overleftrightarrow{AB}$

A line segments is a part of something. It has 2 end points.

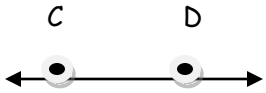


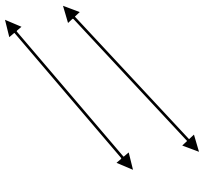
This is line segment $\overline{CD}$ We put the line over top of it to show it is a line segment.

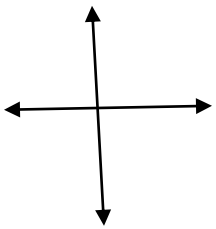
Here are some more lines

Horizontal vertical parallel lines will never connect. These are perpendicular they make an L

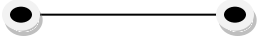
Label:







_____ _____ _____ _____



Draw me $\overleftrightarrow{DE}$

Draw $\overline{CB}$

point A

_____

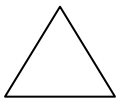
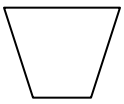
Did you label it correctly? Remember it is always important to label so that people who see it know what it is.

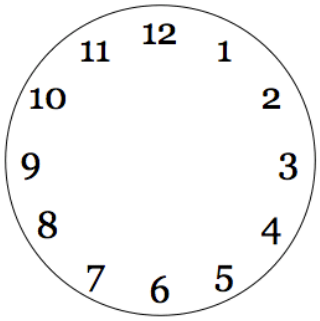
LINES OF SYMMETRY

When you divide an object exactly down the center and have two equal parts it is called a line of symmetry.

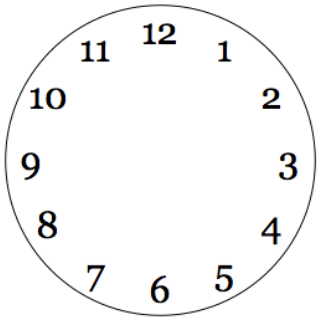
Think of a butterfly, if you divided the butterfly down the middle, you would have two sides that were symmetrical. Not everything is symmetrical. If I took a coffee cup and divided it down the center, it would not be symmetrical because of the handle.

Draw a line down the following that can be divided symmetrically:

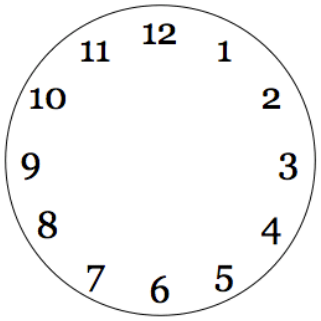
A C O L D E  



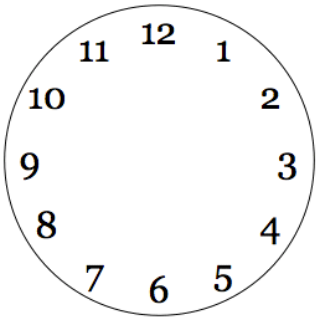
Half past 4



quarter till 9



quarter after2



1 o'clock

Can you go outside and estimate the perimeter around our house? Use feet as measurement_____

9 -6	6 -0	7 -5	11 -2	9 -4	4 -4	5 -3	8 -1	12 -7	3 -2
0 -0	14 -7	11 -9	7 -6	2 -1	10 -5	8 -0	15 -7	6 -4	13 -6
5 -2	17 -9	6 -5	1 -0	13 -8	9 -0	10 -2	8 -6	3 -1	16 -8
11 -5	7 -1	6 -3	12 -4	9 -8	4 -2	5 -1	2 -0	14 -9	7 -7
16 -9	3 -0	8 -8	5 -4	12 -8	11 -3	6 -1	10 -7	4 -0	14 -5
10 -3	8 -2	9 -9	18 -9	5 -0	10 -9	12 -6	8 -3	10 -6	2 -2
14 -8	6 -6	7 -4	11 -8	13 -4	9 -3	6 -2	5 -5	15 -9	7 -0
11 -6	15 -8	9 -1	7 -2	3 -3	14 -6	8 -4	1 -1	12 -5	15 -6
12 -9	11 -7	7 -3	4 -1	13 -5	17 -8	10 -1	13 -9	16 -7	11 -4
10 -8	8 -5	4 -3	9 -7	10 -4	9 -2	12 -3	13 -7	9 -5	8 -7

Introduction to multiplication

Multiplication is a good way of adding the same number over and over again. Let's say we all have at least 2 pairs of shoes. If there are 6 people in our family, we can either add 2+2+2+2+2+2=12 or we can say 2 x6=12

We can also write it vertically

$$\begin{array}{r} 2 \\ \times 6 \\ \hline 12 \end{array}$$

The numbers have special names. Do you remember what they are called when you add them? The _____plus the _____equals the _____.

In multiplication the 2 and the 6 being multiplied are called FACTORS. The answer of 12 is the PRODUCT

An easy way to memorize these is to use this example:

2 x 1= 2 We say count by 2 one time. Or you can do it backwards count by 1 two times. They both give you the same answer.

Let's learn the easy ones today: You should be able to get these all memorized in one sitting:

1 x1=1 2x1=2 3x1=3 4x1=4 5x1=5 6x1=6 7x1=7 8x1=8 9x1=9 10x1=10
Or, multiplying any number by "1" is just the number.

Let's learn the other easy ones:
0x1=0 0x2=0 0x3=0 0x4=0 0x5=0 0x6=0 0x7=0 0x8=0 0x9=0 0x10=0
Or, any number times "0" is going to be zero. Because if I asked you to county by 3 zero times, the answer is zero.

1	9	2	8	3	7	4	5	6
X1	x1	x1	x1	x1	x1	x1	x1	x1

0	6	5	3	8	1	7	4	2
X0	x0	x0	x0	x0	x0	x0	x0	x0

In multiplication you can switch the numbers around and it doesn't make any difference, just like in addition. The answer is still the same.

2 x1=	8x0=	4x0=	7x1=	9x0=
1x5=	0x6=	1x8=	3x1=	0x0=

765	432	654	870	906	760
-448	-217	-362	-780	-547	-471

654	321	431	600	741	643
+123	+568	+659	+478	+269	+367

25+10=	43+10=	33+10=	22+10=
43-10=	88-10=	43-10=	61-10=

Label the following: 3 x 3 = 9

_____ _____=_____

Lets do some mental math. Hand this to mom and let her ask you the questions:

1. If it is 2:00 what time will it be in ½ an hour?
2. How much is 4 hundreds 3 tens and 8 ones?
3. how much is 432 times zero?
4. how much is 3 plus 4 plus 2?
5. how much is ten less than 40?
6. how much is 200 plus 3 tens and 5 ones?
7. write the number 749?
8. how many ones are in 701?
9. how many tens are in 44?
10. how many hundreds are in 763?
11. Write the words out for zero to ten

9 -6	6 -0	7 -5	11 -2	9 -4	4 -4	5 -3	8 -1	12 -7	3 -2
0 -0	14 -7	11 -9	7 -6	2 -1	10 -5	8 -0	15 -7	6 -4	13 -6
5 -2	17 -9	6 -5	1 -0	13 -8	9 -0	10 -2	8 -6	3 -1	16 -8
11 -5	7 -1	6 -3	12 -4	9 -8	4 -2	5 -1	2 -0	14 -9	7 -7
16 -9	3 -0	8 -8	5 -4	12 -8	11 -3	6 -1	10 -7	4 -0	14 -5
10 -3	8 -2	9 -9	18 -9	5 -0	10 -9	12 -6	8 -3	10 -6	2 -2
14 -8	6 -6	7 -4	11 -8	13 -4	9 -3	6 -2	5 -5	15 -9	7 -0
11 -6	15 -8	9 -1	7 -2	3 -3	14 -6	8 -4	1 -1	12 -5	15 -6
12 -9	11 -7	7 -3	4 -1	13 -5	17 -8	10 -1	13 -9	16 -7	11 -4
10 -8	8 -5	4 -3	9 -7	10 -4	9 -2	12 -3	13 -7	9 -5	8 -7

Word Problems

1. Lauren read 28 pages in her reading book. Yesterday she read 15. How many did she read altogether?

   _____

2. Austin went to the store and bought 15 packs of gum for school. He also bought 29 pieces of licroace. How many pieces of candy did he buy?

   _____

3. Jadyn is buying dog treats for her 2 dogs. If she wants to buy each dog 3 treats each, how many treats will she buy?

   _____

4. Randall had 52 clown noses and gave Kyle 17 of them. How many does Randall have left?

   _____

5. Evan had 24 meatballs on his plate. Collin stole 12 away. How many does Evan have now?

   _____

6. Riley had 28 pieces of candy. She ate 6 in the morning and then 10 in the afternoon. How many pieces does Riley have left?

   _____

7. Tegan has 76 stickers. He uses up 32 and then buys 24 more at the store. How many stickers does Tegan have?

   _____

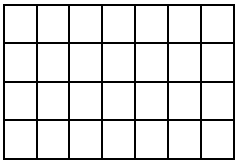
8. Molly has 231 markers, she gives 115 markers to Lauren. Her mother buys her 30 more. How many markers does Molly have?

   _____

9. Bob has 27 buckets. He sells 14 of them and then buys 28 more. How many does Bob have?

   _____

Find the perimeter of the objects:



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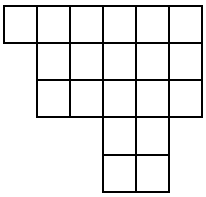
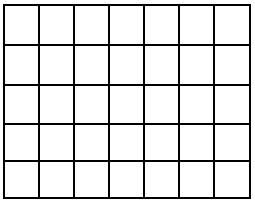


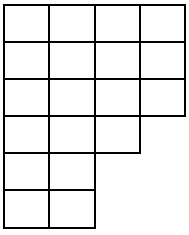
Perimeter of this_____



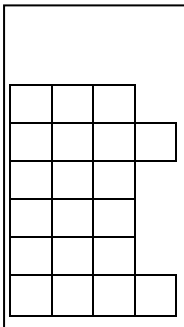
What is the perimeter:_____

Area

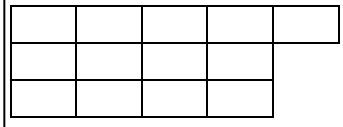
To find the area of an object count up all the squares within the object.



Area:_____



Area:



Area:_____

1. The temperature today was 80 degrees. Yesterday it was 74 degrees. How many degrees did it increase?

   _____

2. We had the following rainfall in inches this week: 4, 2, 6, 12, 4, 6, 2. How much total rainfall did we have?

   _____

3. I had $12.50. I wanted to buy a ball for $2.25 and a bat for $6.30. Do I have enough money?

   _____

4. The concert cost $10. Food will cost us $8.50. Parking is $4.00 I have only saved $20 this month, will I be able to go to the concert?

9 -6	6 -0	7 -5	11 -2	9 -4	4 -4	5 -3	8 -1	12 -7	3 -2
0 -0	14 -7	11 -9	7 -6	2 -1	10 -5	8 -0	15 -7	6 -4	13 -6
5 -2	17 -9	6 -5	1 -0	13 -8	9 -0	10 -2	8 -6	3 -1	16 -8
11 -5	7 -1	6 -3	12 -4	9 -8	4 -2	5 -1	2 -0	14 -9	7 -7
16 -9	3 -0	8 -8	5 -4	12 -8	11 -3	6 -1	10 -7	4 -0	14 -5
10 -3	8 -2	9 -9	18 -9	5 -0	10 -9	12 -6	8 -3	10 -6	2 -2
14 -8	6 -6	7 -4	11 -8	13 -4	9 -3	6 -2	5 -5	15 -9	7 -0
11 -6	15 -8	9 -1	7 -2	3 -3	14 -6	8 -4	1 -1	12 -5	15 -6
12 -9	11 -7	7 -3	4 -1	13 -5	17 -8	10 -1	13 -9	16 -7	11 -4
10 -8	8 -5	4 -3	9 -7	10 -4	9 -2	12 -3	13 -7	9 -5	8 -7

100

Copy down the ones you are having problems with and we will go over them later. Moving on to memorize multiplication.

We have learned multiplication of 0 and 1. Today we will memorize the 2's

2 x 0= 0	2x 6=12
2 x1=2	2 x 7=14
2 x2=4	2x8=16
2x3=6	2x9=18
2x4=8	2x10=20

An easy way to do this is to count by 2's

Let's practice the zero, ones, and twos:

2 x 1=	0x10=	1x9=	2x8=	8x0=
10 x 2=	7x0=	6x1=	10x1=	8x1=
6x2=	0x5=	4x1=	9x2=	9x0=
3x2=	1x0=	5x1=	2x2=	0x4=
2x4=	0x2=	2x1=	1x1=	1x3=
5x2=	0x6=	7x1=	7x2=	3x0=

Count by 2's

Your goal this week will be to memorize the 2's for multiplication, unless you know already. Remember when we talked about "doubling' digits. If you remember that, then the multiplication facts of 2 will be easy.

Do you remember your doubles?

2+2=_____ 3+3=_____

4+4=_____ 5+5_____

6+6_____ 7+7_____

8+8_____ 9+9_____

1+1_____

1x2=_____ 9x2=_____ 3x2=_____ 10x2=____ 4x2=_____

5x2=_____ 2x2=_____ 7x2=_____ 2x6=_____ 2x8=_____

Any time a number is multiplied by zero it is what?_____
Any time a number is multiplied by one, what is the answer? _____

Count by 2's

Mom is going to ask you your 2's…..do you know them
Copy the ones you need to work on:

We have learned numbers up to the hundreds. Let's learn through the thousands.

Thousands	,	Hundreds	Tens	ones
4		3	2	5

The 4 in the thousands' place is 4000
The 3 in the hundreds' place is 300
The 2 in the tens' place is 50
The 5 in the ones' place is 5

We read it as "four thousand, three hundred twenty-five"

Don't forget the comma. That will help you identify numbers. Start from the right and count to the left 3 places, then place a comma.

Write the following numbers:

two thousand, four hundred, forty-two:

2000+300+90+8+=

5 thousand, 7 hundred, one:

8000+700+60+2=

5000+500+5=

nine thousand, two hundred, seventeen:

7000+500+10+3=

Two thousand, seven hundred thirty-three:

8000+400+30+7=

9000+500+40+8=

Two thousand, five hundred, nineteen:

2 x 1=	0x10=	1x9=	2x8=	8x0=
10 x 2=	7x0=	6x1=	10x1=	8x1=
6x2=	0x5=	4x1=	9x2=	9x0=
3x2=	1x0=	5x1=	2x2=	0x4=
2x4=	0x2=	2x1=	1x1=	1x3=
5x2=	0x6=	7x1=	7x2=	3x0=

These should be coming along easier. Let's learn the next easiest the 5's.

Count by 5's

0x5=	5x5=
1x5=	6x5=
2x5=	7x5=
3x5=	8x5=
4x5=	9x5=
10x5=	

Let mom check your answers to see if you have them filled in correctly. This will be our next memorize.

0x2=	_____x2=0	count by 2's, write them vertical
1x2=	_____x2=2	
2x2=	_____x2=4	
3x2=	_____x2=6	
4x2=	_____x2=8	
5x2=	_____x2=10	
6x2=	_____x2=12	
7x2=	_____x2=14	
8x2=	_____x2=16	
9x2=	_____x2=18	
10x2=	_____x2=20	

0x5=	_____x5=0	count by 5's write it vertical
1x5=	_____x5=5	
2x5=	_____x5=10	
3x5=	_____x5 =15	
4x5=	_____x5 =20	
5x5=	_____x5=25	
6x5=	_____x5 =30	
7x5=	_____x5=35	
8x5=	_____x5=40	
9x5=	_____x5=45	
10x5=	_____x5=50	

Write > < or =

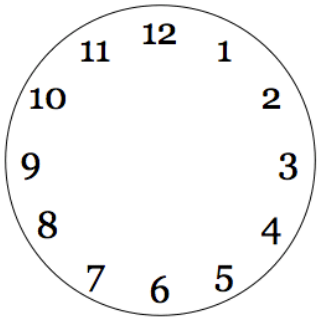
4,321____2,432	799___987	543____345
543_____543	3,289____4,378	7002____702
8907____6543	555____5555	1000____100

$ 32.76	$ 271.12	$ 32.89	$ 21.00
+$ 8.00	+$ 110.43	-$ 11.75	-$ 15.00

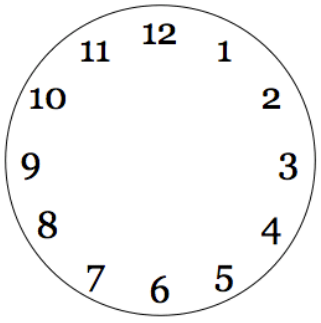
Let's count by 3's
3, 6, 9, 12, 15,18, 21, 24, 27, 30

Count backwards from 30 by 3's

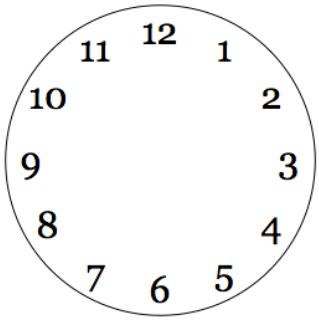
Count by 3's starting at 3



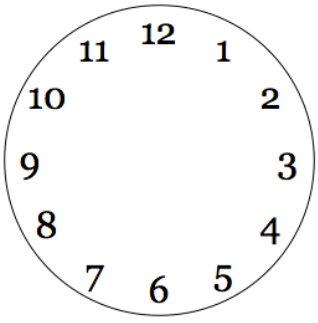
7:15



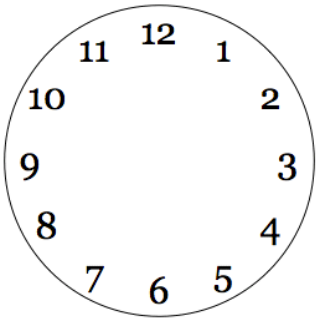
2:45



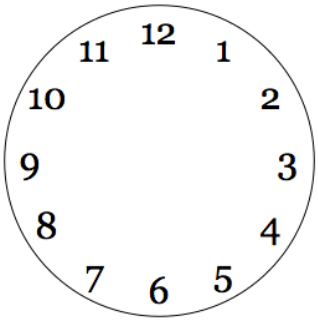
3:05



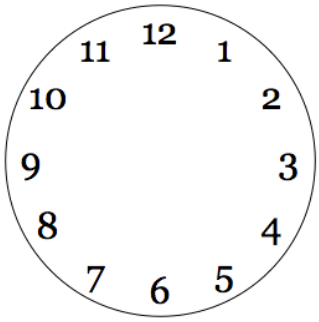
12:00



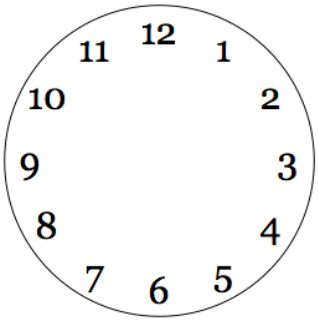
3:05



1:50



7:55



4:20

Count by 3's starting at 3

Learn to count by 3's today, and have zero free time until memorized!

Draw me a line that is 10 cm long
Draw me a line that is 3 in. long
Draw me a line BC
Draw me a line segment AB

0x3=	___x3=0	write the 3's vertically
1x3=	___x3=3	
2x3=	___x3=6	
3x3=	___x3=9	
4x3=	___x3=12	
5x3=	___x3=15	
6x3=	___x3=18	
7x3=	___x3=21	
8x3=	___x3=24	
9x3=	___x3=27	
10x3=	___x3=30	

Write the following:

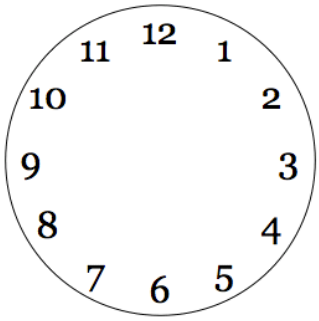
Two thousand, four hundred fifty-two:

One thousand, five hundred sixty-one:

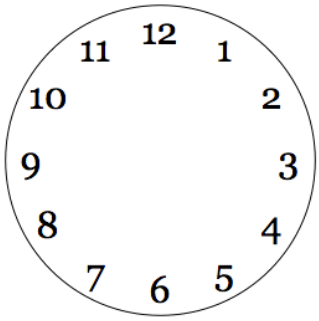
Nine thousand, two hundred forty-three:

5000+500+50+5=

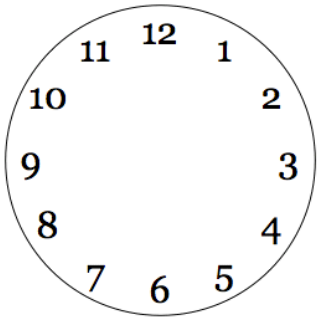
3000+200+9=



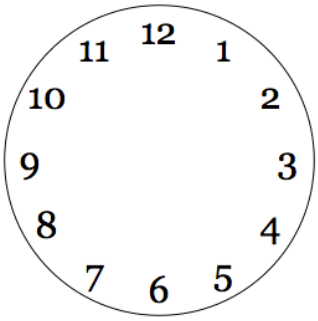
7:10



8:25



9:15



7:30

Draw me a line that is 6 inches long

Draw me a line that is 6 centimeters long

Draw me a line that is 2 $\frac{1}{2}$ in long

Draw me a square with sides that are 4 cm long

0x3=	___x3=0	write the 3's vertically
1x3=	___x3=3	
2x3=	___x3=6	
3x3=	___x3=9	
4x3=	___x3=12	
5x3=	___x3=15	
6x3=	___x3=18	
7x3=	___x3=21	
8x3=	___x3=24	
9x3=	___x3=27	
10x3=	___x3=30	

0x2=	____x2=0	count by 2's, write them vertical
1x2=	____x2=2	
2x2=	____x2=4	
3x2=	____x2=6	
4x2=	____x2=8	
5x2=	____x2=10	
6x2=	____x2=12	
7x2=	____x2=14	
8x2=	____x2=16	
9x2=	____x2=18	
10x2=	____x2=20	

0x5=	____x5=0	count by 5's write it vertical
1x5=	____x5=5	
2x5=	____x5=10	
3x5=	____x5=15	
4x5=	____x5=20	
5x5=	____x5=25	
6x5=	____x5=30	
7x5=	____x5=35	
8x5=	____x5=40	
9x5=	____x5=45	
10x5=	____x5=50	

Place value to the ten and hundred thousands

Hundred Thousands	Ten Thousands	Thousands	,	Hundreds	Tens	ones
8	6	5	,	4	3	1

The 8 in the hundred thousands' place is 800,000
The 6 in the ten thousands' place is 60,000
The 5 in the thousands' place is 5000
The 4 in the hundreds' place is 400
The 3 in the tens place is 30
The 1 in the ones place is 1

Write the following numbers:
500,000+40,000+3,000+200+90+8=

400,000+20,000+1,000+900+20+6=

Ninety thousand, four hundred fifteen:

Six hundred thousand, eighty-four:

What number comes before and after the following:

_____562_____ _____7,432_____ _____999_____

_____5,432_____ _____25,233_____ _____1000_____

_____8000_____ _____32,000_____ _____758,976_____

Write < > =

762_____543 22,987____23,789 756____765

987,789____987,879 23,876____22,000 890____980

766____766 4329_____3297 555_____5555

Draw me a line that is 7 inches
Draw me a line that is 4 centimeters

3 X2	1 X10	5 X2	1 X8	5 X6	3 X4	1 X2	2 X2	1 X1	5 X4
8 X2	6 X0	1 X9	2 X0	9 X2	5 X5	1 X5	7 X0	1 X2	6 X2
3 X1	1 X6	3 X3	3 X0	4 X0	3 X6	1 X4	3 X8	5 x10	3 X10
5 X9	5 X7	1 X7	7 X2	1 X0	5 X2	4 X2	1 X3	0 X0	8 X0
10 X2	5 X0	3 X5	5 X3	5 X8	5 X1	5 X0	3 X7	3 X2	3 X9

Draw me a line that is 4 $\frac{1}{2}$ inches long

Draw me 2 parallel line

Draw me 2 perpendicular lines

Draw me a horizontal line that is 55 centimeters

Draw me a vertical line that is 20 cm

Mental math—give to mom and have her ask you these questions:

1. Write the number 5, 321
2. What number is in the thousands place in 4, 321
3. Add 5 plus 4 plus 3
4. I have 10 marbles, I lost 3 then bought 4 more. How many do I have
5. What number is in the hundreds place in 43, 210
6. Write the number 72, 024
7. Write the number 892, 432
8. What is 400, 3 tens and 2 ones
9. What is 4000 plus 200 plus 8 tens and 9 ones
10. Draw me a cone
11. Draw me a cylinder
12. Draw me a triangle
13. Draw me a rectangle
14. Draw me a square
15. Draw a circle and divide it into 4 parts

0x3=	___x3=0	write the 3's vertically
1x3=	___x3=3	
2x3=	___x3=6	
3x3=	___x3=9	
4x3=	___x3=12	
5x3=	___x3=15	
6x3=	___x3=18	
7x3=	___x3=21	
8x3=	___x3=24	
9x3=	___x3=27	
10x3=	___x3=30	

0x2=	____x2=0	count by 2's, write them vertical
1x2=	____x2=2	
2x2=	____x2=4	
3x2=	____x2=6	
4x2=	____x2=8	
5x2=	____x2=10	
6x2=	____x2=12	
7x2=	____x2=14	
8x2=	____x2=16	
9x2=	____x2=18	
10x2=	____x2=20	
0x5=	____x5=0	count by 5's write it vertical
1x5=	____x5=5	
2x5=	____x5=10	
3x5=	____x5=15	
4x5=	____x5=20	
5x5=	____x5=25	
6x5=	____x5=30	
7x5=	____x5=35	
8x5=	____x5=40	
9x5=	____x5=45	
10x5=	____x5=50	

3 X2	1 X10	5 X2	1 X8	5 X6	3 X4	1 X2	2 X2	1 X1	5 X4
8 X2	6 X0	1 X9	2 X0	9 X2	5 X5	1 X5	7 X0	1 X2	6 X2
3 X1	1 X6	3 X3	3 X0	4 X0	3 X6	1 X4	3 X8	5 x10	3 X10
5 X9	5 X7	1 X7	7 X2	1 X0	5 X2	4 X2	1 X3	0 X0	8 X0
10 X2	5 X0	3 X5	5 X3	5 X8	5 X1	5 X0	3 X7	3 X2	3 X9

Rounding to the nearest hundreds and thousands

What is the number 452 when rounded to the nearest hundreds?
If we imagined a number line, we would know that this number comes in between 400 and 500. We know we are rounding the hundreds place which is the 4. Look to the right of that number and if it is 5 or more, then we round up. If it is not, then we go down to the other hundred.

I like to underline the number I am rounding and then look to the right and decide.

Which hundreds does the following numbers come in between

_____432_____ _____789_____ _____243_____

Now let's round the following to the hundreds place. Underline the number and look to the right and decide if it is 5 or more than round up.

544_____ 943_____ 765_____ 201_____

980_____ 128_____ 234_____ 542_____

Let's round the following to the nearest tens—underline the number you are rounding and look to the right and go up if it is 5 or more.

765_____ 543_____ 432_____ 217_____

0x3=	___x3=0	write the 3's vertically
1x3=	___x3=3	
2x3=	___x3=6	
3x3=	___x3=9	
4x3=	___x3=12	
5x3=	___x3=15	
6x3=	___x3=18	
7x3=	___x3=21	
8x3=	___x3=24	
9x3=	___x3=27	
10x3=	___x3=30	

0x2=	____x2=0	count by 2's, write them vertical
1x2=	____x2=2	
2x2=	____x2=4	
3x2=	____x2=6	
4x2=	____x2=8	
5x2=	____x2=10	
6x2=	____x2=12	
7x2=	____x2=14	
8x2=	____x2=16	
9x2=	____x2=18	
10x2=	____x2=20	

0x5=	____x5=0	count by 5's write it vertical
1x5=	____x5=5	
2x5=	____x5=10	
3x5=	____x5=15	
4x5=	____x5=20	
5x5=	____x5=25	
6x5=	____x5=30	
7x5=	____x5=35	
8x5=	____x5=40	
9x5=	____x5=45	
10x5=	____x5=50	

3 X2	1 X10	5 X2	1 X8	5 X6	3 X4	1 X2	2 X2	1 X1	5 X4
8 X2	6 X0	1 X9	2 X0	9 X2	5 X5	1 X5	7 X0	1 X2	6 X2
3 X1	1 X6	3 X3	3 X0	4 X0	3 X6	1 X4	3 X8	5 x10	3 X10
5 X9	5 X7	1 X7	7 X2	1 X0	5 X2	4 X2	1 X3	0 X0	8 X0
10 X2	5 X0	3 X5	5 X3	5 X8	5 X1	5 X0	3 X7	3 X2	3 X9

Round the following to the nearest tens

75_____ 64_____ 87_____ 98_____

432_____ 321_____ 870____ 876_____

Round to the nearest hundred

432_____ 654_____ 888_____ 543_____

732_____ 104_____ 805_____ 653_____

Mom will ask you the math facts for 2's, 5's and 3's . Did you miss any? Learn them

Fill in the chart

438	439								

Fill in the chart

2,432	2,433								

If you don't know your 2, 3, or 5's memorize them. Make that the priority before free.

Today we count by 4's

4,8,12,16,20,24,28,32,36,40

0x4=	____x4=0	write counting by 4 vertically
1x4=	____x4=4	
2x4=	____x4=8	
3x4=	____x4=12	
4x4=	____x4=16	
5x4=	____x4=20	
6x4=	____x4=24	
7x4=	____x4=28	
8x4=	____x4=32	
9x4=	____x4=36	
10x4=	____x4=40	

Mental math time with Mom:

1. What digit is in the hundreds place for 4, 321?
2. Write the number 543 in digits
3. Write the number 23, 322 in digits
4. Which number is greater 4, 032 or 4, 320
5. Write the number 789,385
6. Write the number 432, 299
7. What is 4 +4+2-3=
8. How many sides does a triangle have?
9. how many months are in a year
10. how many days are in a week
11. how many minutes are in one hour
12. how many seconds are in one minute
13. how many hours in one day
14. put your arm vertical
15. put your arm horizontal
16. what is closer to a foot long-----a paper clip or a knife
17. what is closer to 3 feet long---a bird or a snake
18. what is closer to 6 inches long a spoon or a fly
19. write down how to count by 4
20. what is 500 and 3 tens and no ones

3 X2	1 X10	5 X2	1 X8	4 X2	3 X4	1 X2	2 X2	1 X1	5 X4
8 X2	6 X0	1 X9	3 X4	9 X2	5 X5	1 X5	7 X0	1 X2	6 X2
3 X1	1 X6	3 X3	3 X0	4 X0	3 X6	4 X4	3 X8	5 x10	3 X10
5 X9	5 X4	1 X7	7 X2	1 X0	5 X2	4 X2	4 X8	3 X7	8 X0
4 X6	5 X7	2 X0	5 X6	9 X4	0 X0	1 X4	1 X3	4 X7	10 X4
10 X2	5 X0	3 X5	5 X3	5 X8	5 X1	5 X0	0 X4	3 X2	3 X9

Fill in the following chart:

2,341	2,342								

Rewrite these numbers in order from least to greatest:

543	_____	6,432	_____
321	_____	12,432	_____
123	_____	7,765	_____
789	_____	4,876	_____
543	_____	3,234	_____
342	_____	9,031	_____

Let's add numbers in a column

3	7	8	9
5	4	3	3
7	3	2	1
1	1	1	1
2	2	2	4
+5	+5	+4	+3

0x4=	_____x4=0	write counting by 4 vertically
1x4=	_____x4=4	
2x4=	_____x4=8	
3x4=	_____x4=12	
4x4=	_____x4=16	
5x4=	_____x4=20	
6x4=	_____x4=24	
7x4=	_____x4=28	
8x4=	_____x4=32	
9x4=	_____x4=36	
10x4=	_____x4=40	

Adding with thousands. This is no different than doing two column addition. Always work from right to left. Put a comma in its proper place.

4321	5432	7642	9080
+2100	+5432	+6541	+8021

Fill in the following charts, counting by 10s

652	662								

Fill in the following chart counting by 50's

250	300								

Fill in the following charts counting by hundreds

323	423								

3 X2	1 X10	5 X2	1 X8	4 X2	3 X4	1 X2	2 X2	1 X1	5 X4
8 X2	6 X0	1 X9	3 X4	9 X2	5 X5	1 X5	7 X0	1 X2	6 X2
3 X1	1 X6	3 X3	3 X0	4 X0	3 X6	4 X4	3 X8	5 x10	3 X10
5 X9	5 X4	1 X7	7 X2	1 X0	5 X2	4 X2	4 X8	3 X7	8 X0
4 X6	5 X7	2 X0	5 X6	9 X4	0 X0	1 X4	1 X3	4 X7	10 X4
10 X2	5 X0	3 X5	5 X3	5 X8	5 X1	5 X0	0 X4	3 X2	3 X9

Subtraction regrouping more than once

532	5678	7632	9722
-378	-4789	-2785	-4834

If you are having problems, we can do more work on the back of this.

Time telling to the minute. Grab our real clock so we can do this exercise.

Move the hands on the clock to the following times, exactly:

7:02 4:17 8:43 11:59 10:51 6:37

How many minutes is it from 10:15 to 10:45?_____

How many minutes is it from 9:45 to 10:05?_____

How many minutes is it from 2:20 to 2:55?_____

How many minutes is it from 11:55 to 11:59?_____

0x4=	____x4=0	write counting by 4 vertically
1x4=	____x4=4	
2x4=	____x4=8	
3x4=	____x4=12	
4x4=	____x4=16	
5x4=	____x4=20	
6x4=	____x4=24	
7x4=	____x4=28	
8x4=	____x4=32	
9x4=	____x4=36	
10x4=	____x4=40	

2014
July

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

What is the 3rd Monday of the month?_____

What day is the 2nd Saturday of the month?_____

How many weeks are in a complete year?_____

How many days are in a year? Normally_____

If today was July 8, what will be in 10 days?_____

What is one week before July 16th?_____

Counting change do someone

Learn how to make change. Amy buys a candy bar for $.54. She gives the clerk a dollar bill. The clerk makes change by counting forward from the cost of the candy bar. One penny is 55¢, a dime is 65¢, another dime is 75¢, a quarter is $1.00. The clerk hands Amy a penny, 2 dimes, and a quarter. She gets 46 ¢ in change.

When you make change, count forward from the cost of what was bought to the amount paid for it. You should always start with the smallest coins or bills when possible. Practice with Mom with real coins.

3 X2	1 X10	5 X2	1 X8	4 X2	3 X4	1 X2	2 X2	1 X1	5 X4
8 X2	6 X0	1 X9	3 X4	9 X2	5 X5	1 X5	7 X0	1 X2	6 X2
3 X1	1 X6	3 X3	3 X0	4 X0	3 X6	4 X4	3 X8	5 x10	3 X10
5 X9	5 X4	1 X7	7 X2	1 X0	5 X2	4 X2	4 X8	3 X7	8 X0
4 X6	5 X7	2 X0	5 X6	9 X4	0 X0	1 X4	1 X3	4 X7	10 X4
10 X2	5 X0	3 X5	5 X3	5 X8	5 X1	5 X0	0 X4	3 X2	3 X9

Grab some popsicle sticks

Use 4 and make a square
Use 3 and make a triangle
Use 5 and make a pentagon (penta means 5)
Use 6 and make a hexagon (hexa means 6)
Use 8 and make an octagon (octa means 8)

Practice making change with Mom again---grab the change jar.

Measurement
We measure things in pounds (lb) and ounces (oz).

Grab Dad's scale----CAREFULLY!!!!!
Find something that you think is 1 lb. Measure it and see if you are close.
Find something that you think is 5lbs and see if you are close.

There are 16 ounces in 1 pound. Find something that is 1 ounce.
If you had 16 of these it would equal one pound.

Other countries use grams (g) and kilograms (kg) We won't be measuring in these.

Know that 1 kilogram equals 1000 grams **1 kg=1000 grams**

Tell mom how many ounces are in one pound

3 X2	1 X10	5 X2	1 X8	4 X2	3 X4	1 X2	2 X2	1 X1	5 X4
8 X2	6 X0	1 X9	3 X4	9 X2	5 X5	1 X5	7 X0	1 X2	6 X2
3 X1	1 X6	3 X3	3 X0	4 X0	3 X6	4 X4	3 X8	5 x10	3 X10
5 X9	5 X4	1 X7	7 X2	1 X0	5 X2	4 X2	4 X8	3 X7	8 X0
4 X6	5 X7	2 X0	5 X6	9 X4	0 X0	1 X4	1 X3	4 X7	10 X4
10 X2	5 X0	3 X5	5 X3	5 X8	5 X1	5 X0	0 X4	3 X2	3 X9

3214	5427	8732	9210
+5432	+8732	+9799	+2879

6586	6532	8760	6542
-4299	-3876	-5499	-5678

Mental math with Mom

1. How many sides does an octagon have?
2. How many sides does a pentagon have?
3. How many ounces are in one pound?
4. A kilogram has how many grams in it?
5. How many sides does a hexagon have?
6. What digit is in the thousands place in 34,533?
7. What digit is in the hundreds place in 32, 288?
8. What is 8 plus 2 plus 3 plus 1 take away 2?

We measure length here in America in the standard system
Miles (mi) yard (yd) foot (ft) inch(in)

1 foot is 12 inches
1 yard is 3 feet
5280 feet are in one mile

Find me something that is about a foot long?_____

Find me something that is about one yard long?_____

0x4=	____x4=0	write counting by 4 vertically
1x4=	____x4=4	
2x4=	____x4=8	
3x4=	____x4=12	
4x4=	____x4=16	
5x4=	____x4=20	
6x4=	____x4=24	
7x4=	____x4=28	
8x4=	____x4=32	
9x4=	____x4=36	
10x4=	____x4=40	

Tell mom how many inches are in one foot, how many feet are in one mile and how many feet are in one yard.

Remember perimeter?----the distance around a figure.

In a triangle, the sides are 3 cm, 5 cm, and 2 cm. What is the perimeter?_____

A triangles' sides measure: 5 in, 4 in, and 3in. What is the perimeter?_____

A rectangles' sides measure 8 inch and 3 inch. What is the perimeter?_____

A rectangles' sides measure: 4 cm and 1 cm. what is the perimeter?_____

We are going to go on to the 6's. If you are still having problems with the other ones, keep practicing.

6, 12, 18, 24, 30, 36, 42, 48, 54, 60

Copy this down and say it over and over till it sticks!!

3 X2	1 X10	5 X2	1 X8	4 X2	3 X4	1 X2	2 X2	1 X1	5 X4
8 X2	6 X0	1 X9	3 X4	9 X2	5 X5	1 X5	7 X0	1 X2	6 X2
3 X1	1 X6	3 X3	3 X0	4 X0	3 X6	4 X4	3 X8	5 x10	3 X10
5 X9	5 X4	1 X7	7 X2	1 X0	5 X2	4 X2	4 X8	3 X7	8 X0
4 X6	5 X7	2 X0	5 X6	9 X4	0 X0	1 X4	1 X3	4 X7	10 X4
10 X2	5 X0	3 X5	5 X3	5 X8	5 X1	5 X0	0 X4	3 X2	3 X9

Multiplication part two

Let's practice multiplying large numbers. Do the right hand side first and then move to the left.

24	63	222	132	20
X2	x3	x 4	x 2	x 8

Most of the time when you multiply large numbers you will have to regroup. In that case we carry the number over to the next place value and then we add it to the product.
Go over this part with Mom

\
42
X5
210

Let's practice some more with carrying in multiplication.

325	432	624	82
X 4	x 2	x 3	x 5

Count by 6's

Grab Mom's measuring cups out. Lets see how much a cup is.
2 cups are in 1 pint
2 pints are in 1 quart
4 quarts are in 1 gallon
2 small jars into 1 large jar
4 jars into 1 gallon of milk

Other countries use liter. Think how big a 2-liter of pop is.

Fill in the blanks:

1 gallon is_____quarts

3 gallons are _____quarts

1 yard is _____feet

1 foot is_____inches

1 mile_____feet

1 kilogram is _____grams

Addition, subtraction, and multiplication are called operations. They are three of the four operations of arithmetic. The fourth operation is division.

You know that subtraction is the opposite of addition. The opposite of multiplication is division.

Sam has 18 stickers. He wants to divide them into groups of 3. How many groups will he have?

18÷3=6

Solve:

10÷2=	14÷2=	6÷2=
9÷3=	12÷3=	8÷2=

Division words

The answer to a division problem is called the quotient. The number you are dividing is called the dividend. The number you are dividing is called the divisor.

12÷4=3 12 is the dividend, 4 is the divisor, and 3 is the quotient.

There is also another way to write a division problem:

$$4\overline{)12}\quad 3$$

Let's learn the easy ones 2 as a divisor

0÷2=0
2÷2=1
4÷2=2
6÷2=3
8÷2=4
10÷2=5
12÷2=6
14÷2=7
16÷2=8
18÷2=9

Did you notice that it is the opposite of multiplication?

127

3 X2	1 X10	5 X2	1 X8	4 X2	3 X4	1 X2	2 X2	1 X1	5 X4
8 X2	6 X0	1 X9	3 X4	9 X2	5 X5	1 X5	7 X0	1 X2	6 X2
3 X1	1 X6	3 X3	3 X0	4 X0	3 X6	4 X4	3 X8	5 x10	3 X10
5 X9	5 X4	1 X7	7 X2	1 X0	5 X2	4 X2	4 X8	3 X7	8 X0
4 X6	5 X7	2 X0	5 X6	9 X4	0 X0	1 X4	1 X3	4 X7	10 X4
10 X2	5 X0	3 X5	5 X3	5 X8	5 X1	5 X0	0 X4	3 X2	3 X9

18÷2=

16÷2=

14÷2=

12÷2=

10÷2=

8÷2=

6÷2=

4÷2=

2÷2=

0÷2=

Lets do 6's

0x6= _____x6=0
1x6= _____x6=6
2x6= _____x6=12
3x6= _____x6=18
4x6= _____x6=24
5x6= _____x6=30
6x6= _____x6=36
7x6= _____x6=42
8x6= _____x6=48
9x6= _____x6=54
10x6= _____x6=60

Draw me a line that is 3 $\frac{1}{2}$ inches long.

Draw me a line that is 2 cm long

Draw me 2 congruent triangles

More division
Rules for dividing with a 0—zero

1. 0 divided by any number equals 0. 0÷5=0 8÷0=0

Rules for dividing by 1

1. Any number (except 0) divided by itself equals 1. 8÷8=1 2÷2=1
2. Any number divided by 1 equals that number. 5÷1=5 8÷1=8

You should be able to fill in this chart fairly easy:

0÷1=	1÷10=	2÷20=
0÷2=	1÷9=	2÷18=
0÷3=	1÷8=	2÷16=
0÷4=	1÷7=	2÷14=
0÷5=	1÷6=	2÷12=
0÷6=	1÷5=	2÷10=
0÷7=	1÷4=	2÷8=
0÷8=	1÷3=	2÷6=
0÷9=	1÷2=	2÷4=
0÷10=	1÷1=	2÷2=

3241	5421	7000	3216
X 2	x 3	x 4	x 3

Circle the EVEN numbers:

322 567 432 777 999 1000 543 333

Count by 6's

Count by 10's starting at 212

6 X1	2 X6	5 X2	1 X8	4 X2	3 X6	1 X2	2 X2	1 X1	6 X4
3 X5	1 X6	4 X6	3 X4	1 X0	3 X7	1 X10	4 X8	3 X2	5 X4
8 X2	6 X0	1 X9	3 X4	9 X2	5 X5	1 X5	7 X0	1 X2	6 X2
3 X1	5 X6	3 X3	3 X0	4 X0	3 X6	4 X4	3 X8	5 x10	3 X10
5 X9	5 X4	1 X7	7 X2	6 X6	5 X2	4 X2	7 X6	8 X6	8 X0
9 X6	5 X7	2 X0	5 X6	9 X4	0 X0	1 X4	1 X3	4 X7	10 X4
10 X2	5 X0	10 X6	5 X3	5 X8	5 X1	5 X0	0 X4	3 X2	3 X9

How are you doing? Are you able to keep the chart all filled in correctly. Color in the one you need to learn and learn them.

Multiplication

We are expanding our knowledge in multiplying numbers. Let's say we get something like this:

$$\begin{array}{r} 43 \\ \times 26 \\ \hline \end{array}$$

Since it is hard to type up how to explain to do this. Bring the paper to Mom and I will show you how to do it with the turtle's head. Google how to teach multiplication with turtle head.

The key is to go slow and make sure that you do not miss any steps:

23	45	74	83	20
X17	x32	x24	x25	x56

Lets do 6's

0x6=	_____x6=0
1x6=	_____x6=6
2x6=	_____x6=12
3x6=	_____x6=18
4x6=	_____x6=24
5x6=	_____x6=30
6x6=	_____x6=36
7x6=	_____x6=42
8x6=	_____x6=48
9x6=	_____x6=54
10x6=	_____x6=60

Fill in the blanks, counting by 6's

Let's practice more turtle head multiplication:

25	63	123	243	532
X25	x33	x21	x25	x42

Circle the EVEN numbers;

234	555	7865	4567	8890	4321
3214	2321	7655	7777	1000	100

Draw me 2 congruent hearts

Draw me line AB

Draw me line segment CD

Let's practice division

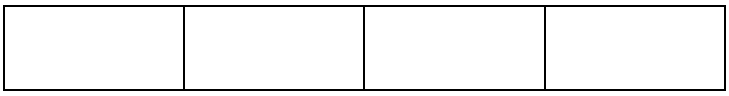
0÷1=	1÷10=	2÷20=	3÷3=
0÷2=	1÷9=	2÷18=	3÷6=
0÷3=	1÷8=	2÷16=	3÷9=
0÷4=	1÷7=	2÷14=	3÷12=
0÷5=	1÷6=	2÷12=	3÷15=
0÷6=	1÷5=	2÷10=	3÷18=
0÷7=	1÷4=	2÷8=	3÷21=
0÷8=	1÷3=	2÷6=	3÷24=
0÷9=	1÷2=	2÷4=	3÷27=
0÷10=	1÷1=	2÷2=	3÷30=

5÷5=	6÷60=	4÷40=
5÷10=	6÷54=	4÷36=
5÷15=	6÷48=	4÷32=
5÷20=	6÷42=	4÷28=
5÷25=	6÷36=	4÷24=
5÷30=	6÷30=	4÷20=
5÷35=	6÷24=	4÷16=
5÷40=	6÷18=	4÷12=
5÷45=	6÷12=	4÷8=
5÷50=	6÷6=	4÷4=

Can you see that it is the opposite of multiplication. Yes, it is harder, but you will get there. Keep practicing.

Fractions

A fraction is a part of one thing or a group of things. The bottom number of a fraction tells how many equal parts there are. The bottom number is called the DENOMINATOR. The top number tells how many of the equal parts you are talking about. The top number is called the NUMERATOR. Repeat these two words to mom.



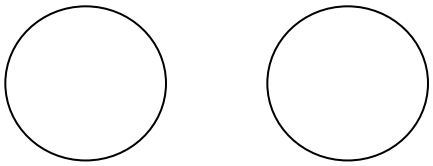
Color in $\frac{3}{4}$ of the fractions. This means that the thing is cut into 4 pieces and 3 are colored in.

Equivalent fractions

Sometimes fractions with different numerators and denominators name the same amount. Fractions that name the same amount are called EQUIVALENT fractions

1/2 = 3/6

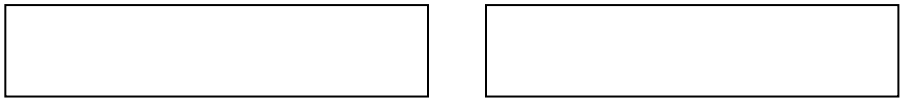
Divide the circles into those fractions



Can you see that they mean the same thing? EQUIVALENT fractions.

Are the following fractions equivalent. Divide the square into equal parts.

2/4 and 4/8



Copy the following in words:

11_____12_____

13_____14_____

15_____16_____

17_____18_____

19_____20_____

Draw a pentagon

Draw a hexagon

Draw a diamond

Let's practice division

0÷1=	1÷10=	2÷20=	3÷3=
0÷2=	1÷9=	2÷18=	3÷6=
0÷3=	1÷8=	2÷16=	3÷9=
0÷4=	1÷7=	2÷14=	3÷12=
0÷5=	1÷6=	2÷12=	3÷15=
0÷6=	1÷5=	2÷10=	3÷18=
0÷7=	1÷4=	2÷8=	3÷21=
0÷8=	1÷3=	2÷6=	3÷24=
0÷9=	1÷2=	2÷4=	3÷27=
0÷10=	1÷1=	2÷2=	3÷30=

5÷5=	6÷60=	4÷40=
5÷10=	6÷54=	4÷36=
5÷15=	6÷48=	4÷32=
5÷20=	6÷42=	4÷28=
5÷25=	6÷36=	4÷24=
5÷30=	6÷30=	4÷20=
5÷35=	6÷24=	4÷16=
5÷40=	6÷18=	4÷12=
5÷45=	6÷12=	4÷8=
5÷50=	6÷6=	4÷4=

Write in words the following numbers:

10_____ 20_____

30_____ 40_____

50_____ 60_____

Let's practice some more multiplication

543	585	321	401	222
X 21	x32	x 11	x 13	x23

Lets do 6's

0x6= _____x6=0
1x6= _____x6=6
2x6= _____x6=12
3x6= _____x6=18
4x6= _____x6=24
5x6= _____x6=30
6x6= _____x6=36
7x6= _____x6=42
8x6= _____x6=48
9x6= _____x6=54
10x6= _____x6=60

Let's learn 7's

7, 14, 21, 28,35,42,49,56,63,70-----memorize that this week

Fill in chart counting by 7's

Let's practice division

0÷1=	1÷10=	2÷20=	3÷3=
0÷2=	1÷9=	2÷18=	3÷6=
0÷3=	1÷8=	2÷16=	3÷9=
0÷4=	1÷7=	2÷14=	3÷12=
0÷5=	1÷6=	2÷12=	3÷15=
0÷6=	1÷5=	2÷10=	3÷18=
0÷7=	1÷4=	2÷8=	3÷21=
0÷8=	1÷3=	2÷6=	3÷24=
0÷9=	1÷2=	2÷4=	3÷27=
0÷10=	1÷1=	2÷2=	3÷30=

5÷5=	6÷60=	4÷40=
5÷10=	6÷54=	4÷36=
5÷15=	6÷48=	4÷32=
5÷20=	6÷42=	4÷28=
5÷25=	6÷36=	4÷24=
5÷30=	6÷30=	4÷20=
5÷35=	6÷24=	4÷16=
5÷40=	6÷18=	4÷12=
5÷45=	6÷12=	4÷8=
5÷50=	6÷6=	4÷4=

Write the following in words;

70_____ 80_____

90_____ 100_____

Count by 7's:

2121	345	1671	291	111
X 32	x211	x 6	x 22	x25

Fill in chart, count by 7's

6 X1	2 X6	5 X2	1 X8	4 X2	3 X6	1 X2	2 X2	1 X1	6 X4
3 X5	1 X6	4 X6	3 X4	1 X0	3 X7	1 X10	4 X8	3 X2	5 X4
8 X2	6 X0	1 X9	3 X4	9 X2	5 X5	1 X5	7 X0	1 X2	6 X2
3 X1	5 X6	3 X3	3 X0	4 X0	3 X6	4 X4	3 X8	5 x10	3 X10
5 X9	5 X4	1 X7	7 X2	6 X6	5 X2	4 X2	7 X6	8 X6	8 X0
9 X6	5 X7	2 X0	5 X6	9 X4	0 X0	1 X4	1 X3	4 X7	10 X4
10 X2	5 X0	10 X6	5 X3	5 X8	5 X1	5 X0	0 X4	3 X2	3 X9

Draw me a line that is 4 cm long

Draw me a horizontal line that is 4 ½ inch long.

Story problems

1. Jadyn had 25 bouncy balls. She wanted to wrap them up in the 5 bags that she had. How many would go in each bag?

2. Brooklyn has 7 purple beads, 1 black, 8 red, 4 green, and 7 orange. How many does she have altogether?

3. Evan earned $25 working in Dad's shop. He spent $14.50 on a game and $2.35 on snacks. How much did he have left?

4. There are 432 girls and 257 boys in our school. What is the difference in the number of boys and girls?

5. The girls sold 752 flowers this year for Valentines Day. The boys sold 433. How many more did the girls sell?

6. My birthday party favor bags each get 6 pieces of gum. I am making 243 of them for the big party. How many pieces of gum do I need to buy?

7. The ages of my children are 22, 3, 19, 4, 17, 5, 15, 6, 9, and 10. Put the ages in order from youngest to oldest.

8. I have 36 chocolate cookies to give out to my 6 children. How many cookies does each child get if divided up evenly?

0x7=	_____x7=0
1x7=	_____x7=7
2x7=	_____x7=14
3x7=	_____x7=21
4x7=	_____x7=28
5x7=	_____x7=35
6x7=	_____x7=42
7x7=	_____x7=49
8x7=	_____x7=56
9x7=	_____x7=63
10x7=	_____x7=70

4321	5432	6655	4444
+2132	+6521	+7121	+7689

6543	8743	3246	8790
- 2255	- 2134	- 2678	- 2567

6 X1	2 X6	5 X2	1 X8	4 X2	3 X6	1 X2	2 X2	1 X1	6 X4
3 X5	1 X6	4 X6	3 X4	1 X0	3 X7	1 X10	4 X8	3 X2	5 X4
8 X2	6 X0	1 X9	3 X4	9 X2	5 X5	1 X5	7 X0	1 X2	6 X2
3 X1	5 X6	3 X3	3 X0	4 X0	3 X6	4 X4	3 X8	5 x10	3 X10
5 X9	5 X4	1 X7	7 X2	6 X6	5 X2	4 X2	7 X6	8 X6	8 X0
9 X6	5 X7	2 X0	5 X6	9 X4	0 X0	1 X4	1 X3	4 X7	10 X4
10 X2	5 X0	10 X6	5 X3	5 X8	5 X1	5 X0	0 X4	3 X2	3 X9

Mental Math give this to Mom

1. How many tens in 4, 321
2. How many sides does an octagon have
3. Write the number 432, 017
4. Add 24 plus 10 plus 2
5. How many hundreds in 7543
6. Whenever you multiply a number by zero what is your answer
7. Add 15 plus 5 plus 2 minus 1
8. Add 30 plus 20 minus 5
9. How many times does 5 go into 25
10. How many days in a year normally
11. How many months in a year
12. How many days ina week
13. How many hours in one day
14. How many minutes in an hour
15. How many seconds in a minute
16. What is the perimeter of a rectangle if the sides are 4 inches and 1 inch
17. Is the letter o symmetrical
18. Is the letter L symmetrical

0x7=	_____x7=0
1x7=	_____x7=7
2x7=	_____x7=14
3x7=	_____x7=21
4x7=	_____x7=28
5x7=	_____x7=35
6x7=	_____x7=42
7x7=	_____x7=49
8x7=	_____x7=56
9x7=	_____x7=63
10x7=	_____x7=70

Millions				Thousands				ones		
Hundreds	Tens	Ones	,	Hundreds	Tens	Ones	,	Hundreds	tens	ones
6	4	2	,	4	3	2	,	2	1	8

When we write one million, we write it as 1,000,000
We read the above number as: six hundred forty-two million, four hundred thirty-two thousand, two hundred eighteen.

It is important when writing large numbers that you separate and use commas. This will help you better understand what the number is. Start from the right and move to the left, counting every 3 places and place a comma.

In the following, place comma's in their proper places.

4256727899	432215876	567854321
9870765332	540970054	4321009876

What is the VALUE of the underlined digit

432,8<u>7</u>6,543 <u>70,000</u>_____ <u>3</u>21,765_____

What is the value of the underlined digit:

3,2<u>3</u>4,876_____ 4<u>3</u>2,989,900_____

<u>2</u>34,876,870_____ 233,787,98<u>8</u>_____

23<u>1</u>,999,988_____213,6<u>5</u>4,877_____

Write the standard form of the expanded version:

400,000+20,000+4,000+900+80+8=_____

30,000,000+2,000,000+400,000+30,000+7,000+600+80+2_____

900,000,000+70,000+8=_____

70,000+400+6=_____

Use < > =

432,987_____422,767 2,345,888_____1,987,999

8,789,980_____8,789,990 9,888,777_____9,888,777

598,765_____589,756 4,876_____4,786

7654	4321	6543	8907	5655
-4321	-4211	-3897	-5678	-3478

Remember rounding to the nearest tens, hundreds? Now we will round to the nearest thousands.

Which thousands is before and after the following numbers.

_____4,876_____ _____2,876_____

_____5,876_____ _____7,980_____

_____1,876_____ _____3,876_____

Round the following to the nearest thousands. Remember look at the place value you are rounding and then the number on the right of it. If it is 5 or more you go up. If not you go down.

5,987_____ 7,987_____

1,234_____ 7698_____

2346_____ 5489_____

22,987_____ 75,983_____

Let's round to the nearest ten thousands. Same way, just look at the different digit.

23,876_____ 56,987_____

87,984_____ 23,729_____

34,956_____ 47,900_____

Count by 7's

0x7=	_____x7=0
1x7=	_____x7=7
2x7=	_____x7=14
3x7=	_____x7=21
4x7=	_____x7=28
5x7=	_____x7=35
6x7=	_____x7=42
7x7=	_____x7=49
8x7=	_____x7=56
9x7=	_____x7=63
10x7=	_____x7=70

Let's work on more rounding. Let's round to the hundred thousands place.

543,876_____ 654,987_____

321,876_____ 549,987_____

Let's round up to the millions place.

3,876,945_____ 6,980,900_____

5,876,921_____ 14,876,999_____

5438	6543	9800	2100
X 5	x 2	x5	x 3

6 X1	2 X6	5 X2	1 X8	4 X2	3 X6	1 X2	2 X2	7 X9	6 X4
3 X5	1 X6	4 X6	3 X4	1 X0	3 X7	1 X10	4 X8	3 X2	5 X4
8 X2	6 X0	1 X9	3 X4	9 X2	7 X10	1 X5	7 X0	1 X2	7 X8
5 X7	7 X7	0 X4	3 X0	6 X7	5 X5	1 X3	6 X2	1 X1	10 X4
3 X1	5 X6	3 X3	7 X4	4 X0	3 X6	4 X4	3 X8	5 x10	3 X10
5 X9	5 X4	1 X7	7 X2	6 X6	5 X2	4 X2	7 X6	8 X6	8 X0
9 X6	5 X7	2 X0	5 X6	9 X4	0 X0	1 X4	3 X7	4 X7	7 X2
10 X2	5 X0	10 X6	5 X3	5 X8	5 X1	5 X0	7 X1	3 X2	3 X9

Church	members
Flat rock	23,871
Hendersonville	11,543
Tuxedo	10,421
Asheville	8,210

How many members are there in all of the churches except for Hendersonville? Do your work above.

How many more people does Hendersonville have than Asheville? Show your work.

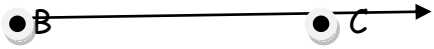
Draw me a line AB

Draw me parallel lines

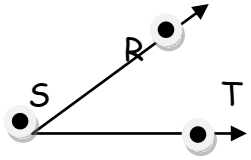
Draw me a line segment CD

Draw me a point D

A ray is part of a line, it only goes in one direction. This is ray BC

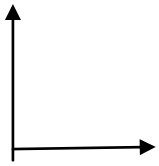


Angles are two rays that have the same end point. The end point is called the vertex of the angle. Here is angle RST

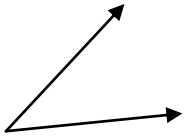


There are 3 kinds of angles

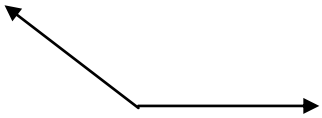
A right angle forms a square corner



An acute angle is less than a right



an obtuse is larger than a right angle



Remember these???? ☺

0÷1=	1÷10=	2÷20=	3÷3=
0÷2=	1÷9=	2÷18=	3÷6=
0÷3=	1÷8=	2÷16=	3÷9=
0÷4=	1÷7=	2÷14=	3÷12=
0÷5=	1÷6=	2÷12=	3÷15=
0÷6=	1÷5=	2÷10=	3÷18=
0÷7=	1÷4=	2÷8=	3÷21=
0÷8=	1÷3=	2÷6=	3÷24=
0÷9=	1÷2=	2÷4=	3÷27=
0÷10=	1÷1=	2÷2=	3÷30=

5÷5=	6÷60=	4÷40=
5÷10=	6÷54=	4÷36=
5÷15=	6÷48=	4÷32=
5÷20=	6÷42=	4÷28=
5÷25=	6÷36=	4÷24=
5÷30=	6÷30=	4÷20=
5÷35=	6÷24=	4÷16=
5÷40=	6÷18=	4÷12=
5÷45=	6÷12=	4÷8=
5÷50=	6÷6=	4÷4=

Mental math time---give to Mom

1. Draw me a right angle
2. Draw me an acute angle
3. Draw me an obtuse angle
4. Draw me a line segment RS
5. Draw me a line TR
6. Draw me a ray SR
7. Draw me a pentagon
8. Draw me a point K
9. Draw me parallel lines
10. Draw me perpendicular lines
11. Draw me a sphere
12. Draw me a cone
13. Draw me a cylinder
14. Draw me a cube---learn how
15. Draw me a diamond
16. Draw me a hexagon
17. Draw me a star—learn
18. Draw me a set of congruent hearts
19. Draw me a triangle that is assymetrical
20. Draw me a star inside of a rectangle

6 X1	2 X6	5 X2	1 X8	4 X2	3 X6	1 X2	2 X2	7 X9	6 X4
3 X5	1 X6	4 X6	3 X4	1 X0	3 X7	1 X10	4 X8	3 X2	5 X4
8 X2	6 X0	1 X9	3 X4	9 X2	7 X10	1 X5	7 X0	1 X2	7 X8
5 X7	7 X7	0 X4	3 X0	6 X7	5 X5	1 X3	6 X2	1 X1	10 X4
3 X1	5 X6	3 X3	7 X4	4 X0	3 X6	4 X4	3 X8	5 x10	3 X10
5 X9	5 X4	1 X7	7 X2	6 X6	5 X2	4 X2	7 X6	8 X6	8 X0
9 X6	5 X7	2 X0	5 X6	9 X4	0 X0	1 X4	3 X7	4 X7	7 X2
10 X2	5 X0	10 X6	5 X3	5 X8	5 X1	5 X0	7 X1	3 X2	3 X9

Learn multiples of 8: 8, 16, 24, 32, 40, 48, 56, 64, 72, 80
Write the multiples of each number listed:

2									
3									
4									
5									
6									
7									
8									

Let's learn an easy way to multiply by 10, 100, 1000, 10,000…..

Any time you have a number times a multiple of ten you just add extra zeros.

If you have 342 x 100= there are 2 zeros so your answer is 34,200

If you have 567 x 1000= there are 3 zeros so your answer is 567,000

Solve:

354x10=_____ 4325x1000=_____

5423x100=_____ 543x100=_____

32x10,000=_____ 87x1000=_____

42x10000=_____ 124x1000=_____

56	62	91	73	92	20	54
X21	x21	x15	x32	x22	x61	x 11

Draw me a right, acute, and obtuse angle

Word problems

1. I bought a ball for $2.42, a bat for $1.75, and a mitt for $1.25 How much did I spend in all?

2. I went out to lunch and spent $2.75 on pizza, 43¢ on an apple, and 85¢ on milk. How much did I spend in all? I paid with a $5.00 how much change should I get back?

3. I ran 7 miles on Monday, 3 on Tuesday, 12 on Wednesday, 1 on Thursday, and 8 on Friday. How many miles did I run all week?

4. My plants grew 2 " last month, 3" this month, and I expect they will grow 1 ½ more inches in the coming months. How tall will my plants be?

5. My girls weight 23 lbs, 46 lbs, 57 lbs, and 76 lbs. How many lbs all together do they weigh?

6. My boys have driven 3,243 miles this year. My girls have driven 1, 768 miles. How many more miles did the boys drive?

Count by 8s:

Multiplying money

When you multiply dollars and cents, you do so the same way when you multiply other numbers. When you are finished, you count over how many decimal places over are in your problem and then move it over in your answer.

$5.75	$4.32	$2.67
X 43	x 9	x31

543x100=_____ 66x100=_____

213x10=_____ 632x1000=_____

43x1000=_____ 754x10=_____

8x1=	_____x8=8	Write me the multiples of 8 vertically
8x2=	_____x8=16	
8x3=	_____x8=24	
8x4=	_____x8=32	
8x5=	_____x8=40	
8x6=	_____x8=48	
8x7=	_____x8=56	
8x8=	_____x8=64	
8x9=	_____x8=72	
8x10=	_____x8=80	

< > =

543_____543	324___532	7654____8766	7000____2000
3213_____6789	9876____2222	9870_____7899	5678_____9090
3322_____2211	4322____4322	7676_____7676	9700_____9701

8x1= _____x8=8
8x2= _____x8=16
8x3= _____x8=24
8x4= _____x8=32
8x5= _____x8=40
8x6= _____x8=48
8x7= _____x8=56
8x8= _____x8=64
8x9= _____x8=72
8x10= _____x8=80

Write me the multiples of 8 vertically

6 X1	2 X6	5 X2	1 X8	4 X2	3 X6	1 X2	2 X2	7 X9	6 X4
3 X5	1 X6	4 X6	3 X4	1 X0	3 X7	1 X10	4 X8	3 X2	5 X4
8 X2	6 X0	1 X9	3 X4	9 X2	7 X10	1 X5	7 X0	1 X2	7 X8
5 X7	7 X7	0 X4	3 X0	6 X7	5 X5	1 X3	6 X2	1 X1	10 X4
3 X1	5 X6	3 X3	7 X4	4 X0	3 X6	4 X4	3 X8	5 x10	3 X10
5 X9	5 X4	1 X7	7 X2	6 X6	5 X2	4 X2	7 X6	8 X6	8 X0
9 X6	5 X7	2 X0	5 X6	9 X4	0 X0	1 X4	3 X7	4 X7	7 X2
10 X2	5 X0	10 X6	5 X3	5 X8	5 X1	5 X0	7 X1	3 X2	3 X9

Draw me a rectangle, hexagon, pentagon, and a diamond

543	654	782	211	201
X213	x212	x321	x432	x732

Multiply 3 numbers: do two numbers at a time, then the next one.

4 x 5 x 3= _____ 10x2x5=_____

40x2x3=_____ 3x3x3=_____

Remember tally marks? Make me tally marks for the following numbers:

65 88

123 47

8 14

3 11

We have been learning about division. What happens when we divide a number and it does not divide in equally? Here is what we do:

$$\begin{array}{r} 6 \text{ r } 3 \\ 5\overline{)33} \\ \underline{-30} \\ 3 \end{array}$$

Let's practice dividing with remainders:

$4\overline{)26}$ $5\overline{)31}$ $6\overline{)38}$ $3\overline{)20}$

8x1=	_____x8=8	Write me the multiples of 8 vertically
8x2=	_____x8=16	
8x3=	_____x8=24	
8x4=	_____x8=32	
8x5=	_____x8=40	
8x6=	_____x8=48	
8x7=	_____x8=56	
8x8=	_____x8=64	
8x9=	_____x8=72	
8x10=	_____x8=80	

Fill in the blanks:

1 gallon is_____quarts	3 gallons are _____quarts
1 yard is _____feet	1 foot is_____inches
1 mile is_____feet	1 kilogram is _____grams
1 quart is_____pints	1 pint is _____cups

Roman numerals

When you put a roman numeral in front it subtracts, when you put it after it adds. Remember these for this week.

I means 1	VI means 6
II means 2	VII means 7
III means 3	VIII means 8
IV means 4	IX means 9
V means 5	X means 10

Write me the Roman numerals for the following numbers:

1	6
2	7
3	8
4	9
5	10

6 X1	2 X6	5 X2	1 X8	4 X2	3 X6	1 X2	2 X2	7 X9	6 X4
3 X5	1 X6	4 X6	3 X4	1 X0	3 X7	1 X10	4 X8	3 X2	5 X4
8 X2	6 X0	1 X9	3 X4	9 X2	7 X10	1 X5	7 X0	1 X2	7 X8
5 X7	7 X7	0 X4	3 X0	6 X7	5 X5	1 X3	6 X2	1 X1	10 X4
3 X1	5 X6	3 X3	7 X4	4 X0	3 X6	4 X4	3 X8	5 x10	3 X10
5 X9	5 X4	1 X7	7 X2	6 X6	5 X2	4 X2	7 X6	8 X6	8 X0
9 X6	5 X7	2 X0	5 X6	9 X4	0 X0	1 X4	3 X7	4 X7	7 X2
10 X2	5 X0	10 X6	5 X3	5 X8	5 X1	5 X0	7 X1	3 X2	3 X9

Let's practice some more dividing:

$2\overline{)342}$ $3\overline{)216}$ $5\overline{)245}$ $4\overline{)604}$

8x1= _____x8=8
8x2= _____x8=16
8x3= _____x8=24
8x4= _____x8=32
8x5= _____x8=40
8x6= _____x8=48
8x7= _____x8=56
8x8= _____x8=64
8x9= _____x8=72
8x10= _____x8=80

Write me the multiples of 8 vertically

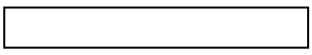
We learned before about finding the area of an object. We just added up the squares. But in reality, there isn't always going to be those squares. Another way is to measure the sides and multiply. Remember the length times the width equals the area. LxW=A

5 ft

3ft 

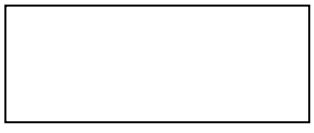
What is the area:
What is the perimeter:

10 ft

2ft 

What is the area:
What is the perimeter:

3 inches

2 inches 

what is the area:

What is the perimeter:

Measure our table in yards and give me the area of the table:

Measure the top of the bench in feet, what is the area:

Measure the face of the freezer in feet, what is the area:

Write Roman Numerals for

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

Remember these???? ☺

0÷1=	1÷10=	2÷20=	3÷3=
0÷2=	1÷9=	2÷18=	3÷6=
0÷3=	1÷8=	2÷16=	3÷9=
0÷4=	1÷7=	2÷14=	3÷12=
0÷5=	1÷6=	2÷12=	3÷15=
0÷6=	1÷5=	2÷10=	3÷18=
0÷7=	1÷4=	2÷8=	3÷21=
0÷8=	1÷3=	2÷6=	3÷24=
0÷9=	1÷2=	2÷4=	3÷27=
0÷10=	1÷1=	2÷2=	3÷30=

5÷5=	6÷60=	4÷40=	7÷70=
5÷10=	6÷54=	4÷36=	7÷63=
5÷15=	6÷48=	4÷32=	7÷56=
5÷20=	6÷42=	4÷28=	7÷49=
5÷25=	6÷36=	4÷24=	7÷42=
5÷30=	6÷30=	4÷20=	7÷35=
5÷35=	6÷24=	4÷16=	7÷28=
5÷40=	6÷18=	4÷12=	7÷21=
5÷45=	6÷12=	4÷8=	7÷14=
5÷50=	6÷6=	4÷4=	7÷7=

3213	6543	3290	600
X 231	x 21	x 11	x22

Make me tally marks for the following:

34 75 81

Division two digit
This will be hard, normally you will always use a calculator. Just learn how to do it.

$20\overline{)4020}$ $11\overline{)232}$ $50\overline{)2504}$

Roman numerals from 10 to 100, counting by tens

X XX XXX XL L LX LXX LXXX XC C

I is 1	X is 10	C is 100	M is 100
V is 5	L is 50	D is 500	

Can you write the following numbers based on the chart:

17 200 35 42 70 525

Grab a calculator for this next part☺
Fill in the chart:
There are _____hours in 1 day
There are _____minutes in 1 hour
There are ____seconds in 1 minutes

How many minutes are there in 6 hours and 12 minutes?_____
How many seconds are there in one day?_____
How many minutes are there in one day?_____
How many hours are in 6 days?_____

1 ft=_____in 1 lb=_____oz 1 pt=_____cups

1 yd=_____ft 2000lb=_____ton 1 qt=_____pts

1 mile=_____ft 1 gal=_____qt

1 mile=_____yd

0÷1=	1÷10=	2÷20=	3÷3=
0÷2=	1÷9=	2÷18=	3÷6=
0÷3=	1÷8=	2÷16=	3÷9=
0÷4=	1÷7=	2÷14=	3÷12=
0÷5=	1÷6=	2÷12=	3÷15=
0÷6=	1÷5=	2÷10=	3÷18=
0÷7=	1÷4=	2÷8=	3÷21=
0÷8=	1÷3=	2÷6=	3÷24=
0÷9=	1÷2=	2÷4=	3÷27=
0÷10=	1÷1=	2÷2=	3÷30=

5÷5=	6÷60=	4÷40=	7÷70=
5÷10=	6÷54=	4÷36=	7÷63=
5÷15=	6÷48=	4÷32=	7÷56=
5÷20=	6÷42=	4÷28=	7÷49=
5÷25=	6÷36=	4÷24=	7÷42=
5÷30=	6÷30=	4÷20=	7÷35=
5÷35=	6÷24=	4÷16=	7÷28=
5÷40=	6÷18=	4÷12=	7÷21=
5÷45=	6÷12=	4÷8=	7÷14=
5÷50=	6÷6=	4÷4=	7÷7=

2876	6543	9899	6540	4320
-1432	-4321	-7699	-5987	-2798

8 X10	2 X6	5 X2	1 X8	8 X9	3 X6	1 X2	2 X2	7 X9	6 X4
6 X1	3 X3	3 X4	4 X0	4 X2	4 X2	1 X5	5 x10	8 X8	8 X0
3 X5	1 X6	4 X6	3 X4	1 X0	3 X7	1 X10	4 X8	3 X2	5 X4
8 X2	6 X0	1 X9	8 X7	9 X2	7 X10	8 X6	7 X0	1 X2	7 X8
5 X7	7 X7	0 X4	3 X0	6 X7	5 X5	1 X3	6 X2	1 X1	10 X4
3 X1	5 X6	5 X8	7 X4	4 X8	3 X6	4 X4	3 X8	8 X2	3 X10
5 X9	5 X4	1 X7	7 X2	6 X6	5 X2	3 X8	7 X6	8 X6	8 X1
9 X6	5 X7	2 X0	5 X6	9 X4	0 X0	1 X4	3 X7	4 X7	7 X2
10 X2	5 X0	10 X6	5 X3	5 X8	5 X1	5 X0	7 X1	3 X2	3 X9

Draw a point B

Draw a line PQ

Draw a ray RS

Draw a line segment CD

Draw an acute, right, and obtuse angle

Draw parallel lines

Draw perpendicular lines

We have measured in centimeters. There are 10 millimeters in 1 centimeter.
In 1 meter stick there are 1000 mm or 100 cm
Kilo means 1000. In 1 kilometer there are 1000 meters.

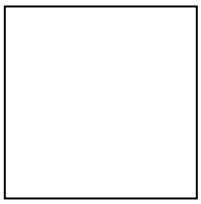
Can you draw a line that is 38 mm

Draw a line that is 88 mm

Draw a line that is 13 cm

Draw a line that is 3 cm

13 ft



24ft

What is the area?
What is the perimeter?

2734	6532	7897	4322
+4321	+6543	+2321	+1212

Add the following numerals:

24	56	76	43	22	11	10
32	10	22	10	7	3	2
2	1	1	1	2	1	1
11	10	10	11	12	13	26

8 X10	2 X6	5 X2	1 X8	8 X9	3 X6	1 X2	2 X2	7 X9	6 X4
6 X1	3 X3	3 X4	4 X0	4 X2	4 X2	1 X5	5 x10	8 X8	8 X0
3 X5	1 X6	4 X6	3 X4	1 X0	3 X7	1 X10	4 X8	3 X2	5 X4
8 X2	6 X0	1 X9	8 X7	9 X2	7 X10	8 X6	7 X0	1 X2	7 X8
5 X7	7 X7	0 X4	3 X0	6 X7	5 X5	1 X3	6 X2	1 X1	10 X4
3 X1	5 X6	5 X8	7 X4	4 X8	3 X6	4 X4	3 X8	8 X2	3 X10
5 X9	5 X4	1 X7	7 X2	6 X6	5 X2	3 X8	7 X6	8 X6	8 X1
9 X6	5 X7	2 X0	5 X6	9 X4	0 X0	1 X4	3 X7	4 X7	7 X2
10 X2	5 X0	10 X6	5 X3	5 X8	5 X1	5 X0	7 X1	3 X2	3 X9

0x9=	____x9=90
1x9=	____x9=81
2x9=	____x9=72
3x9=	____x9=63
4x9=	____x9=54
5x9=	____x9=45
6x9=	____x9=36
7x9=	____x9=27
8x9=	____x9=18
9x9=	____x9=9

Have you learned the trick of the nines? Look at the answers, they flip. Have mom show you.

Write the words for ordinal numbers:

1st_____ 6th_____

2nd_____ 7th _____

3rd_____ 8th_____

4th_____ 9th_____

5th_____ 10th_____

Write the following in words:

5,243_____

2,890_____

876_____

65,000_____

42,001_____

Add the following dollar amounts. Make sure to line up the decimals:

$24.32 $3.99 $.21 $2.04_____

Add the following numbers.

26 432 43 2 6 _____

0x9= _____x9=90
1x9= _____x9=81
2x9= _____x9=72
3x9= _____x9=63
4x9= _____x9=54
5x9= _____x9=45
6x9= _____x9=36
7x9= _____x9=27
8x9= _____x9=18
9x9= _____x9=9

Circle the EVEN numbers

232,222	4,242	799	2,876	24
217,999	4,999	676	9824	17

I took the family out to dinner at the buffet. It was 9.75 per person. We had 5 people eating. How much did dinner cost?

I paid for dinner with a 50 dollar bill. The dinner total was $47.74. Count back change as I am to receive it.

The pond had 274 fish in it. There were 8 of us fishing. If we caught all the fish evenly, how many fish would we hook per person?

When you eat lunch today, or snack, practice by dividing your food into fractions. Cut it or separate it into halves, thirds, fourths, and possibly fifths. Then eat 2 of the 4 parts. Tell mom what part you are eating, so we can do learning with fractions while we eat. ☺

BILLIONS				MILLIONS				THOUSANDS				ONES		
Hundreds	Tens	Ones	,	Hundreds	Tens	Ones	,	Hundreds	Tens	Ones	,	Hundreds	Tens	one
1	5	1	,	2	3	1	,	4	3	1	,	3	2	8

151, 231,431,328 is read one hundred fifty one billion, two hundred thirty-one million, four hundred thirty-one thousand, three hundred twenty eight.

Let's practice reading large numbers today:

329,432,567,999 75,888,900,910

489,940,632,901 3,876,876

532,911,007,001 75,000,000,432

Remember expanded form? Write the following in expanded form:

342,239,609,211_____

_____

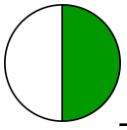
_____

1x9= _____x9=81
2x9= _____x9=72
3x9= _____x9=63
4x9= _____x9=54
5x9= _____x9=45
6x9= _____x9=36
7x9= _____x9=27
8x9= _____x9=18
9x9= _____x9=9

Fill in the chart count by hundreds from 23

Fractions

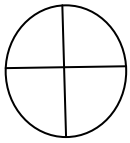
Which part of the fractions are shaded:



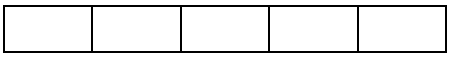
_____

_____

Shade the fraction :

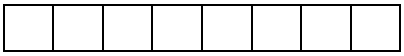


$\frac{3}{4}$

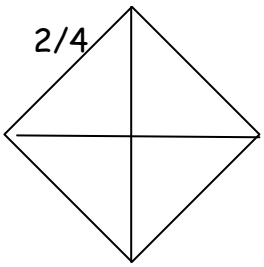


3/5

7/8

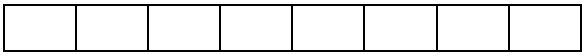


2/4

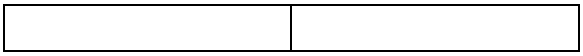


Equivalent fractions

Fractions can be the same but have different amounts.



Color in 4/8 of the figure



Color in $\frac{1}{2}$ of the figure

Do you see how 4/8 and $\frac{1}{2}$ are different number amounts but they are equivalent?

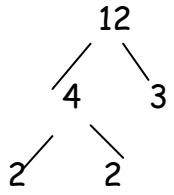
Here are some equivalent fractions:

4/8= $\frac{1}{2}$ 4/6=2/3 2/8=1/4

Draw them out on the paper so you can see how they mean the same thing. They are just broken up into more parts.

TREES ---Greatest Common Factor

By knowing how to do this, it will help you be able to reduce your fractions down easily. Take a number and form "trees" with it until you can't go down anymore. Which numbers when multiplied together give you that number?



The bottom numbers can't be reduced down anymore so we say that the GCF is 2 and 3

Create your own trees by finding the GCF for the following numbers.

20 16 8 10

GCF____ GCF_____ GCF____ GCF_____

24 18 40 9

GCF____ GCF_____ GCF_____ GCF_____

8 X10	2 X6	5 X2	1 X8	8 X9	3 X6	1 X2	2 X2	7 X9	6 X4
6 X1	3 X3	3 X4	4 X0	4 X2	4 X2	1 X5	5 x10	8 X8	8 X0
3 X5	1 X6	4 X6	3 X4	1 X0	3 X7	1 X10	4 X8	3 X2	5 X4
8 X2	6 X0	1 X9	8 X7	9 X2	7 X10	8 X6	7 X0	1 X2	7 X8
5 X7	7 X7	0 X4	3 X0	6 X7	9 X9	1 X3	6 X2	1 X1	10 X4
3 X1	5 X6	5 X8	7 X4	4 X8	10 X9	4 X4	3 X8	8 X2	3 X10
5 X9	5 X4	1 X7	7 X2	6 X6	5 X2	3 X8	7 X6	8 X6	8 X1
9 X7	8 X9	2 X0	9 X6	5 X1	3 X6	4 X9	5 X5	2 X9	1 X9
9 X6	5 X7	9 X0	5 X6	9 X4	0 X0	1 X4	3 X7	4 X7	7 X2
10 X2	5 X0	10 X6	5 X3	5 X8	10 X10	5 X0	7 X1	3 X2	3 X9

You can make an equivalent fraction by dividing or multiplying both the numerator and denominator by the same number. Here is an example:

$\frac{1}{4} = \frac{2}{8}$ multiply both the numerator and denominator by 2

$\frac{9}{12} = \frac{3}{4}$ divide both the numerator and denominator by 3

A fraction is in the lowest terms when its numerator and denominator have no common factors greater than 1. Remember the trees? So to put a fraction to it's lowest terms, divide its numerator and denominator by common facts, until they have no common factor greater than 1.

Here is an example. 3/9 and 5/10 to lowest terms.
You can divide by 3 and 9 by 3. They have 3 as a common factor. You get 1/3
The numbers 1 and 3 have no common factor greater than 1 so 1/3 is in it's lowest terms.

5/10 you can divide both 5 and 10 by 5. You get $\frac{1}{2}$

Reduce the following fractions to lowest terms:

4/12=_____ 6/9=_____ 5/10=_____

2/10=_____ 6/12=_____ 10/20=_____

50/100=_____ 9/12=_____ 15/20=_____

Let's do some trees----greatest common factors:

25 20 16 18

24 9 8 10

0÷1=	1÷10=	2÷20=	3÷3=	8÷8=
0÷2=	1÷9=	2÷18=	3÷6=	8÷16=
0÷3=	1÷8=	2÷16=	3÷9=	8÷24=
0÷4=	1÷7=	2÷14=	3÷12=	8÷32=
0÷5=	1÷6=	2÷12=	3÷15=	8÷40=
0÷6=	1÷5=	2÷10=	3÷18=	8÷48=
0÷7=	1÷4=	2÷8=	3÷21=	8÷56=
0÷8=	1÷3=	2÷6=	3÷24=	8÷64=
0÷9=	1÷2=	2÷4=	3÷27=	8÷72=
0÷10=	1÷1=	2÷2=	3÷30=	8÷80=

5÷5=	6÷60=	4÷40=	7÷70=	9÷9=
5÷10=	6÷54=	4÷36=	7÷63=	9÷18=
5÷15=	6÷48=	4÷32=	7÷56=	9÷27=
5÷20=	6÷42=	4÷28=	7÷49=	9÷36=
5÷25=	6÷36=	4÷24=	7÷42=	9÷45=
5÷30=	6÷30=	4÷20=	7÷35=	9÷54=
5÷35=	6÷24=	4÷16=	7÷28=	9÷63=
5÷40=	6÷18=	4÷12=	7÷21=	9÷72=
5÷45=	6÷12=	4÷8=	7÷14=	9÷81=
5÷50=	6÷6=	4÷4=	7÷7=	9÷90=

Write me the following in Roman Numerals:

3	5	7	9	10	12
15	20	30	50	100	6

1 ft=_____in	1 lb=_____oz	1 pt=_____cups
1 yd=_____ft	2000lb=_____ton	1 qt=_____pts
1 mile=_____ft		1 gal=_____qt
1 mile=_____yd		

Circle the EVEN numbers

243,222 654 323,879 123,987 543,000 1

Improper fractions and mixed numbers

When the numerator of a fraction is equal to or greater than the denominator, the fraction is called an improper fraction. Here are some examples of improper fractions. 5/5, 7/4, 13/3. When you have an improper fraction they should be written as whole numbers and one part that is a fraction. Instead of saying 7/4 you should say $1\frac{3}{4}$.

The bar in a fraction means the same thing as a division sign. When you see 7/4 it says 7 divided by 4. If you were to write that out as a division problem like this:

$4\overline{)7}$ Then solve.

When you have a remainder, instead of writing it as a remainder (3), you write it as the numerator and the divisor (4) becomes the denominator. Answer is $1\frac{3}{4}$

Let's practice changing these improper fractions to proper fractions with whole numbers.

14/3=_____ 4/3=_____ 11/5=_____

7/4=_____ 3/2=_____ 16/5=_____

4/4=_____ 8/7=_____ 32/32=_____

33/32=_____ 11/10=_____ 100/50=_____

9/9=_____ 25/5=_____ 16/4=_____

Make some more trees:

50 30 27 36

0÷1=	1÷10=	2÷20=	3÷3=	8÷8=
0÷2=	1÷9=	2÷18=	3÷6=	8÷16=
0÷3=	1÷8=	2÷16=	3÷9=	8÷24=
0÷4=	1÷7=	2÷14=	3÷12=	8÷32=
0÷5=	1÷6=	2÷12=	3÷15=	8÷40=
0÷6=	1÷5=	2÷10=	3÷18=	8÷48=
0÷7=	1÷4=	2÷8=	3÷21=	8÷56=
0÷8=	1÷3=	2÷6=	3÷24=	8÷64=
0÷9=	1÷2=	2÷4=	3÷27=	8÷72=
0÷10=	1÷1=	2÷2=	3÷30=	8÷80=

5÷5=	6÷60=	4÷40=	7÷70=	9÷9=
5÷10=	6÷54=	4÷36=	7÷63=	9÷18=
5÷15=	6÷48=	4÷32=	7÷56=	9÷27=
5÷20=	6÷42=	4÷28=	7÷49=	9÷36=
5÷25=	6÷36=	4÷24=	7÷42=	9÷45=
5÷30=	6÷30=	4÷20=	7÷35=	9÷54=
5÷35=	6÷24=	4÷16=	7÷28=	9÷63=
5÷40=	6÷18=	4÷12=	7÷21=	9÷72=
5÷45=	6÷12=	4÷8=	7÷14=	9÷81=
5÷50=	6÷6=	4÷4=	7÷7=	9÷90=

When you add and subtract fractions, as long as the denominators are the same, you add the numerators. When you have $\frac{3}{4}$ +1/4 = What you are saying is that you have 3 parts of the pie cut into 4 pieces plus 1 part of the pie cut in 4 pieces. How many do you have altogether? 3 plus 1 equals 4 parts of the pie cut into 4 pieces. Which equals 1 whole pie.

Remember to reduce down your answer to lowest terms:

$\frac{1}{5} + \frac{4}{5} =$ $\frac{5}{8} + \frac{6}{8} =$ $\frac{5}{9} + \frac{4}{9} =$

Subtract the same way:

$\frac{5}{7} - \frac{4}{7} =$ $\frac{13}{6} - \frac{5}{6} =$ $\frac{8}{3} - \frac{3}{3} =$

Reduce the following fractions to lowest terms.

21/7=_____ 26/5=_____ 9/3=_____

32/8=_____ 13/4=_____ 10/5=_____

100/25=_____ 17/8=_____ 19/5=_____

43/6=_____ 22/7=_____ 18/4= _____

Make more trees

30 40 72 81 36

Circle the ODD numbers

432,234,123	543,879,900	543,876,999	543,876,567
223,876,222	123,897,000	333,333,333	777,777,778

How many tens are in 234,354,876?_____

How many ten thousands in 234,567,321?_____

How many hundred millions in 124,654,889,876?_____

Read the following numbers to Mom:

543,254,810,800	4,710,000,003	654,678,000,201
43,000,000,010	265,000,000,321	6,321,456,790,000

Multiplying fractions

The best way to multiply fraction is to reduce down before you multiply. Then multiply across

$$\frac{\cancel{3}}{\cancel{9}_{\cancel{12}}{}_{2}} \times \frac{1}{\cancel{6}_{\cancel{3}}{}_{1}} = \frac{3}{2} = 1\frac{1}{2}$$

The 6 and the 12 can be reduced by 6. So you cross of the 6 and make it 1. The 12 becomes 2.
9 and 3 can be divided by 3, so you cross off and make it 3 and 1. You can't reduce anymore so you just multiply across. You get 3/2 and since that is an improper fraction, you reduce it down to lowest terms. When you reduce, it can be either number up and down, not reducing side by side. Let's try doing some on your own.
Remember reduce FIRST and then multiply across.

$\frac{3}{4} \times \frac{12}{9} =$ _____ $\frac{10}{5} \times \frac{9}{3} =$ _____ $\frac{4}{9} \times \frac{18}{20} =$ _____

$\frac{3}{8} \times \frac{8}{4} =$ _____ $\frac{8}{20} \times \frac{30}{8} =$ _____ $\frac{5}{10} \times \frac{2}{3} =$ _____

If you need any more help on these, turn your paper over and have mom write some up for you.

0÷1=	1÷10=	2÷20=	3÷3=	8÷8=
0÷2=	1÷9=	2÷18=	3÷6=	8÷16=
0÷3=	1÷8=	2÷16=	3÷9=	8÷24=
0÷4=	1÷7=	2÷14=	3÷12=	8÷32=
0÷5=	1÷6=	2÷12=	3÷15=	8÷40=
0÷6=	1÷5=	2÷10=	3÷18=	8÷48=
0÷7=	1÷4=	2÷8=	3÷21=	8÷56=
0÷8=	1÷3=	2÷6=	3÷24=	8÷64=
0÷9=	1÷2=	2÷4=	3÷27=	8÷72=
0÷10=	1÷1=	2÷2=	3÷30=	8÷80=

5÷5=	6÷60=	4÷40=	7÷70=	9÷9=
5÷10=	6÷54=	4÷36=	7÷63=	9÷18=
5÷15=	6÷48=	4÷32=	7÷56=	9÷27=
5÷20=	6÷42=	4÷28=	7÷49=	9÷36=
5÷25=	6÷36=	4÷24=	7÷42=	9÷45=
5÷30=	6÷30=	4÷20=	7÷35=	9÷54=
5÷35=	6÷24=	4÷16=	7÷28=	9÷63=
5÷40=	6÷18=	4÷12=	7÷21=	9÷72=
5÷45=	6÷12=	4÷8=	7÷14=	9÷81=
5÷50=	6÷6=	4÷4=	7÷7=	9÷90=

Dividing of fractions

When you are to divide fractions, you actually do the reciprocal of the second number and then multiply as usual.
Reciprocal means to flip the fraction around.

$\frac{1}{2} \div \frac{6}{3}$= Rewrite $\frac{1}{2} \times \frac{3}{6}$= Then reduce $\frac{1}{2} \times \frac{\cancel{3}^{1}}{\cancel{6}_{2}}$= $\frac{1}{4}$

$\frac{3}{4} \div \frac{9}{12}$=_____ $\frac{10}{5} \div \frac{9}{3}$=_____ $\frac{4}{9} \div \frac{20}{18}$=_____

$\frac{3}{8} \div \frac{4}{8}$=_____ $\frac{8}{20} \div \frac{8}{30}$=_____ $\frac{5}{10} \div \frac{3}{2}$=_____

If you need more help, have mom write some more for you on back.

What is the VALUE of the underlined digit:

323,876,90<u>0</u>,987_____<u>5</u>43,876,900_____

321,546,7<u>8</u>9,987_____123,345,36<u>7</u>_____

4<u>3</u>6,987,890,000_____6<u>8</u>9,987,908_____

Place commas where they are needed:

342786543213 675456789 87658909776 54555555555

7654323456687 767655677788 8876655545 7777777

How many hours in one day?_____ how many in 2 days?_____

How many days in one week?_____how many in 4 weeks?_____

How many days in one year?_____how many in a leap year?_____

How many years in a decade?_____how many years in a century?_____

0÷1=	1÷10=	2÷20=	3÷3=	8÷8=
0÷2=	1÷9=	2÷18=	3÷6=	8÷16=
0÷3=	1÷8=	2÷16=	3÷9=	8÷24=
0÷4=	1÷7=	2÷14=	3÷12=	8÷32=
0÷5=	1÷6=	2÷12=	3÷15=	8÷40=
0÷6=	1÷5=	2÷10=	3÷18=	8÷48=
0÷7=	1÷4=	2÷8=	3÷21=	8÷56=
0÷8=	1÷3=	2÷6=	3÷24=	8÷64=
0÷9=	1÷2=	2÷4=	3÷27=	8÷72=
0÷10=	1÷1=	2÷2=	3÷30=	8÷80=

5÷5=	6÷60=	4÷40=	7÷70=	9÷9=
5÷10=	6÷54=	4÷36=	7÷63=	9÷18=
5÷15=	6÷48=	4÷32=	7÷56=	9÷27=
5÷20=	6÷42=	4÷28=	7÷49=	9÷36=
5÷25=	6÷36=	4÷24=	7÷42=	9÷45=
5÷30=	6÷30=	4÷20=	7÷35=	9÷54=
5÷35=	6÷24=	4÷16=	7÷28=	9÷63=
5÷40=	6÷18=	4÷12=	7÷21=	9÷72=
5÷45=	6÷12=	4÷8=	7÷14=	9÷81=
5÷50=	6÷6=	4÷4=	7÷7=	9÷90=

Listening skills

Give this to Mom and have her read it to you. Leave some space in between questions

1. Write out the equation $\frac{3}{4}$ plus 9/4
2. Write out the equation 7/9 minus 13/9
3. Write out the equation $\frac{3}{4}$ times 12/9
4. Write out the equation 2/3 divided by 10/3
5. Write the number 321,678,999,222
6. How many sides does a pentagon have
7. How many sides does a hexagon have
8. How many sides does an octagon have
9. Draw an acute angle
10. Draw an obtuse angle
11. Draw a right angle
12. Draw a line AB
13. Draw a line segment BC
14. Draw a ray RT
15. Draw a symmetrical triangle
16. Now solve the first 4 problems then hand it to mom

Decimals

You can write the fraction 1/10 as the decimal 0.1 You read both the same way: one tenth
The period to the left of the 1 is called a decimal point. The decimal point shows that the value of the digits to its right is anywhere between 0 and 1, like a fraction. A decimal is any number that uses places to the right of the decimal point to show a fraction.

Ones	.	Tenths	Hundreds	thousandths
3	.	4	1	2

The first place to the right is the tenth's place. This number is 3.4 or $3\frac{4}{10}$

If we add the next place it is the hundredths place. This number is then 3.41 or $3\frac{41}{100}$

If we add the next place it is the thousandths place. This number then becomes 3.412 or $3\frac{412}{1000}$

Make sure when you read it you say the "th's" at the end of the words.
Notice when you move left to right each place value gets 10 time smaller. In the decimal system each place has a value ten times smaller than the one to its left.

Reading and writing decimals and Decimals as fractions

Practice writing decimals in words. 0.29 is twenty-nine hundredths : 4.7 is four and seven tenths; Notice that you do not reduce the fractions in decimals. All decimals have a denominator of 10,100, 1000, 10,000, etc.

Practice writing decimals as fractions and fractions as decimals. $\frac{23}{100}$ is 0.23, and 0.03 is $\frac{3}{100}$

Write the following decimals in digits:

Twenty-three hundredths_____forty-one hundredths_____

Five and three tenths_____ Five hundred twenty-three thousandths_____

Six and seven tenths_____two hundred thirty-one thousandths_____

Write the following as fractions:

0.45_____ 0.87_____ 0.4_____

0.654_____ 0.8_____ 0.76_____

Write the following as decimals:

$\frac{29}{100}$ _____ $5\frac{5}{10}$ _____ $\frac{234}{1000}$ _____

$3\frac{23}{100}$ _____ $4\frac{9}{1000}$ _____ $245\frac{23}{100}$ _____

Because the decimal point shows you the value of each digit in a decimal, you can add zeros after the last digit of a decimal without changing its value. You can add zeros before the decimal point. All the decimals below are equal.

0.5 =0.50 =00.50 =00.500 =.5

You don't have to write a zero before the decimal point. Usually they do in textbooks to make sure that you see the decimal point.

No matter how many zeros are added after the decimal point, the decimal point shows that 4 is in the one's place

4=4.0=4.00=4.000

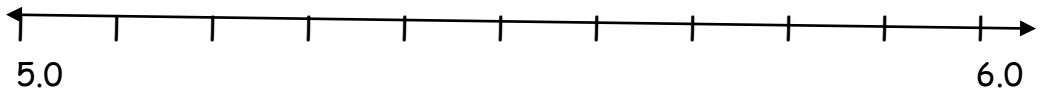
Learn to simplify decimals that have extra zeros

0.240= .24

38.00= 38

If you have 38.01 you cannot simplify that, ONLY if the zeros are to the right after the numbers

Reading decimals on a number line



Can you find on the line where 5.3 would be? How about 7.2?

Since it is divided into 10 parts, each part is 1/10 of a mark. 5.1 then 5.2 then 5.3 etc

Lots on decimals today----review and go over anything you do not understand.

Draw me an acute angle right angle obtuse angle

0÷1=	1÷10=	2÷20=	3÷3=	8÷8=
0÷2=	1÷9=	2÷18=	3÷6=	8÷16=
0÷3=	1÷8=	2÷16=	3÷9=	8÷24=
0÷4=	1÷7=	2÷14=	3÷12=	8÷32=
0÷5=	1÷6=	2÷12=	3÷15=	8÷40=
0÷6=	1÷5=	2÷10=	3÷18=	8÷48=
0÷7=	1÷4=	2÷8=	3÷21=	8÷56=
0÷8=	1÷3=	2÷6=	3÷24=	8÷64=
0÷9=	1÷2=	2÷4=	3÷27=	8÷72=
0÷10=	1÷1=	2÷2=	3÷30=	8÷80=

5÷5=	6÷60=	4÷40=	7÷70=	9÷9=
5÷10=	6÷54=	4÷36=	7÷63=	9÷18=
5÷15=	6÷48=	4÷32=	7÷56=	9÷27=
5÷20=	6÷42=	4÷28=	7÷49=	9÷36=
5÷25=	6÷36=	4÷24=	7÷42=	9÷45=
5÷30=	6÷30=	4÷20=	7÷35=	9÷54=
5÷35=	6÷24=	4÷16=	7÷28=	9÷63=
5÷40=	6÷18=	4÷12=	7÷21=	9÷72=
5÷45=	6÷12=	4÷8=	7÷14=	9÷81=
5÷50=	6÷6=	4÷4=	7÷7=	9÷90=

Comparing decimals

Remember when you compare numbers, you start with the greatest place value.

Compare 8.82 and 8.98 compare the ones place 8=8

Compare the tenth's .8< .9

Then 8.82<8.98

7.77____8.98	7.07_____7.77	4.99_____4.999
3.343____3.043	58.765_____58.766	.878_____.888
54.87____5.487	84.88_____8.855	432.876____876.9
8.004_____7.40000	4.540_____4.05400	3.0004_____3.4000
6.000_____6	.333300_____.3333	44.444_____44.4440

Adding and subtracting decimals.

Do you remember adding and subtracting money? The rule was to line up the decimal points.

Add 8.876 + 2.009 +4.4=

8.876	Now if you notice that I added zeros to the problem
2.009	It just helps keep the place values straight. Sometimes
+4.400	if you don't you mess up what place it is in.

Here are some problems. Write them out and line up the decimals. If you need to add some zeros.

432.8 +32.005 +1.001=

32.001+2.4+27.24=

34.87-4.49=

34.00-24.64=

If you don't get both of those right, have mom give you some extra problems on the back.

We multiplied money before, remember I said to count over how many decimal places there was in your numbers and that is how many you move over in your answer. The same is true for decimals.

```
  4.3
X1.2
  8 6
4 3 0
5 .1 6
```

Do the following problems and put the decimal point in the proper place.

2.21	2.5	3.1
x.15	x2.1	3.1

Decimal division

You divide decimals by whole numbers the same way you divide whole numbers by whole numbers. You put the decimal point in the quotient above the decimal point in the dividend.

```
    3.2
6 | 18.6
```

Practice

4 | 12. 8 5 | 20.55 2 | 84.12

0÷1=	1÷10=	2÷20=	3÷3=	8÷8=
0÷2=	1÷9=	2÷18=	3÷6=	8÷16=
0÷3=	1÷8=	2÷16=	3÷9=	8÷24=
0÷4=	1÷7=	2÷14=	3÷12=	8÷32=
0÷5=	1÷6=	2÷12=	3÷15=	8÷40=
0÷6=	1÷5=	2÷10=	3÷18=	8÷48=
0÷7=	1÷4=	2÷8=	3÷21=	8÷56=
0÷8=	1÷3=	2÷6=	3÷24=	8÷64=
0÷9=	1÷2=	2÷4=	3÷27=	8÷72=
0÷10=	1÷1=	2÷2=	3÷30=	8÷80=

5÷5=	6÷60=	4÷40=	7÷70=	9÷9=
5÷10=	6÷54=	4÷36=	7÷63=	9÷18=
5÷15=	6÷48=	4÷32=	7÷56=	9÷27=
5÷20=	6÷42=	4÷28=	7÷49=	9÷36=
5÷25=	6÷36=	4÷24=	7÷42=	9÷45=
5÷30=	6÷30=	4÷20=	7÷35=	9÷54=
5÷35=	6÷24=	4÷16=	7÷28=	9÷63=
5÷40=	6÷18=	4÷12=	7÷21=	9÷72=
5÷45=	6÷12=	4÷8=	7÷14=	9÷81=
5÷50=	6÷6=	4÷4=	7÷7=	9÷90=

543	432.21	655
X26	x 1.1	202

24.76-2.09-1.0003=

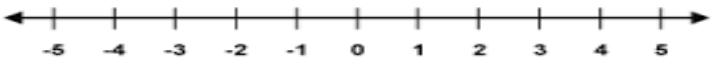
345.87+2.101+3.1=

Positive and Negative numbers
On a Celsius thermometer, zero degrees is the temperature at which water freezers. A common room temperature is +20 and -10 is the outdoor temperature of a very cold winter day.

The number +20 or 20 is a positive number. You read it as positive 20 or just 20.
The number -10 is a negative number. You read it as negative ten.

You can write positive numbers with or without a + sign. BUT you MUST always write a negative sign with a negative number.

We can show positive and negative numbers on a number line.



Numbers to the left of 0 on the number line are negative. Numbers on the right of 0 are positive. The number 0 is neither positive or negative.

Whole numbers are called integers. The positive integers are +1,+2,+3… the negative integers are -1,-2,-3…..

We use integers in everyday life. For instance the ten dollars you earn for doing a job is an example of a positive integer. When you spend the money on treats. That number is the negative amount you spend.

To mark the sea floor 300 meters below sea level, we can use the negative integer -300 to mark it. To mark a mountain 3,200 feet above sea level, we use +3200.

Comparing integers
An integer on the number line is greater than those to its left and less than those to its right.
$-6 < -3 < 3$
A positive integer is always greater than a negative integer. The farther to the left of a negative integer is from zero, the smaller its value.

Practice

-3_____-2 4_____-4 -6_____-5 +3_____+6

+2_____-2 -8_____-6 +10_____8 -5_____-10

Squares

When you multiply a number by itself, you square the number. Since 2 x2=4, 2 squared is 4. A shorthand way to write that is 2^2. It is useful to know the squares of the numbers 1-12

1^2=1	4^2=16	7^2=49	10^2=100
2^2=4	5^5=25	8^2=64	11^2 =121
3^2=9	6^2=36	9^2=81	12^2=144

The opposite of this is called the square root $\sqrt{\ }$

The $\sqrt{81}$=9 and the $\sqrt{25}$= 5

See how they are the opposites? Let's learn these numbers. It will help in your next phase of math.

A little note, in the next years you will be having the squared numbers more and you will also learn that there are more exponents that you can use. 2^5 = 2x2x2x2x2 When you have the exponent it just means that is how many times you multiply the number. This is just to inform. You will go more in depth next year.

Lots of information today. We are just going to go with that. Memorize the squares. Use your extra time today to do that.

8 X10	2 X6	5 X2	1 X8	8 X9	3 X6	1 X2	2 X2	7 X9	6 X4
6 X1	3 X3	3 X4	4 X0	4 X2	4 X2	1 X5	5 x10	8 X8	8 X0
3 X5	1 X6	4 X6	3 X4	1 X0	3 X7	1 X10	4 X8	3 X2	5 X4
8 X2	6 X0	1 X9	8 X7	9 X2	7 X10	8 X6	7 X0	1 X2	7 X8
5 X7	7 X7	0 X4	3 X0	6 X7	9 X9	1 X3	6 X2	1 X1	10 X4
3 X1	5 X6	5 X8	7 X4	4 X8	10 X9	4 X4	3 X8	8 X2	3 X10
5 X9	5 X4	1 X7	7 X2	6 X6	5 X2	3 X8	7 X6	8 X6	8 X1
9 X7	8 X9	2 X0	9 X6	5 X1	3 X6	4 X9	5 X5	2 X9	1 X9
9 X6	5 X7	9 X0	5 X6	9 X4	0 X0	1 X4	3 X7	4 X7	7 X2
10 X2	5 X0	10 X6	5 X3	5 X8	10 X10	5 X0	7 X1	3 X2	3 X9

Prime numbers.
Again this is for preparation for next year. Imagine that you are part of a class of 23 students and your teacher asks you to divide into equal groups. But it isn't possible. The number 23 is a PRIME number.
A prime number is a number that cannot be divided evenly by any other number except itself and the number 1. The number 23 is prime because it can't be divided evenly by any numbers except 1 and 23. The number 4 on the other hand is not prime, it can be divided by 1, 2, and 4. Numbers that are not 1 and not prime are called composite numbers. A composite number is a number that can be built up by multiplying smaller numbers called factors together. You can make the number 4 by multiplying 2 x2. You can make the number 12 by multiplying 6x2. So neither of these numbers are prime.

Here is a prime number chart. All of the prime numbers up till 100 are circled. If you can learn up to 23…that would be awesome. See how many you can memorize this week.

1	②	③	4	⑤	6	⑦	8	9	10
⑪	12	⑬	14	15	16	⑰	18	⑲	20
21	22	㉓	24	25	26	27	28	㉙	30
㉛	32	33	34	35	36	㊲	38	39	40
㊶	42	㊸	44	45	46	㊼	48	49	50
51	52	㊸	54	55	56	57	58	㊾	60
㊶	62	63	64	65	66	㊼	68	69	70
㊶	72	㊸	74	75	76	77	78	㊾	80
81	82	㊸	84	85	86	87	88	㊾	90
91	92	93	94	95	96	㊼	98	99	100

Keep a card and memorize the squared numbers as well. Lots of lists. Makes you smarter.

Round the following to the nearest tens

328_____ 543_____ 788_____ 99_____

Nearest hundred

432_____ 655_____ 899_____ 2342_____

Nearest thousand

34532_____ 6543_____ 8997_____ 54322_____

Nearest ten thousand

43233_____ 56555_____ 76888_____ 765789_____

8 X10	2 X6	5 X2	1 X8	8 X9	3 X6	1 X2	2 X2	7 X9	6 X4
6 X1	3 X3	3 X4	4 X0	4 X2	4 X2	1 X5	5 x10	8 X8	8 X0
3 X5	1 X6	4 X6	3 X4	1 X0	3 X7	1 X10	4 X8	3 X2	5 X4
8 X2	6 X0	1 X9	8 X7	9 X2	7 X10	8 X6	7 X0	1 X2	7 X8
5 X7	7 X7	0 X4	3 X0	6 X7	9 X9	1 X3	6 X2	1 X1	10 X4
3 X1	5 X6	5 X8	7 X4	4 X8	10 X9	4 X4	3 X8	8 X2	3 X10
5 X9	5 X4	1 X7	7 X2	6 X6	5 X2	3 X8	7 X6	8 X6	8 X1
9 X7	8 X9	2 X0	9 X6	5 X1	3 X6	4 X9	5 X5	2 X9	1 X9
9 X6	5 X7	9 X0	5 X6	9 X4	0 X0	1 X4	3 X7	4 X7	7 X2
10 X2	5 X0	10 X6	5 X3	5 X8	10 X10	5 X0	7 X1	3 X2	3 X9

lets do some two digit division. Normally you will use a calculator for this, but we will do 3 of them. If you get them correct, you don't have to do anymore.

$11\overline{)2432}$ $20\overline{)56740}$ $3\overline{)3.246}$

4559	54323	654
X 43	x321	x223

8 X10	2 X6	5 X2	1 X8	8 X9	3 X6	1 X2	2 X2	7 X9	6 X4
6 X1	3 X3	3 X4	4 X0	4 X2	4 X2	1 X5	5 x10	8 X8	8 X0
3 X5	1 X6	4 X6	3 X4	1 X0	3 X7	1 X10	4 X8	3 X2	5 X4
8 X2	6 X0	1 X9	8 X7	9 X2	7 X10	8 X6	7 X0	1 X2	7 X8
5 X7	7 X7	0 X4	3 X0	6 X7	9 X9	1 X3	6 X2	1 X1	10 X4
3 X1	5 X6	5 X8	7 X4	4 X8	10 X9	4 X4	3 X8	8 X2	3 X10
5 X9	5 X4	1 X7	7 X2	6 X6	5 X2	3 X8	7 X6	8 X6	8 X1
9 X7	8 X9	2 X0	9 X6	5 X1	3 X6	4 X9	5 X5	2 X9	1 X9
9 X6	5 X7	9 X0	5 X6	9 X4	0 X0	1 X4	3 X7	4 X7	7 X2
10 X2	5 X0	10 X6	5 X3	5 X8	10 X10	5 X0	7 X1	3 X2	3 X9

Put these decimals in order from largest to smallest:

32.45 33.4 31.55 78.1 32.09

Add these decimals. Fill in the zeros:

32.32+43.001+54.01=

Subtract
432.98-32.021=

75.32 x2.1=

Remember the trick for multiplying anything by 10,100,1000,etc? It works the same way for decimals.
10x2.343= just move the decimal to the right for the number of zeros. In this case move them over 1 time. Answer _ 23.43
If you move the decimal over and there is nothing there, than add a zero.

Solve the following:

43.343x100=_____ 543.9874x1000_____

432.9064x1000_____ 3.97608x1000_____

3.3456x10=_____ 2.8765x10=_____

4.87x1000=_____ 5.87x10000=_____

Guess what it works just the opposite for dividing by 10,100,1000 etc
Move the decimal to the left and add zeros as needed.

3.452 ÷10= .3452

Solve the following:

3.3156÷100=_____ 654.876÷10=_____

3427.877÷1000=_____ 6549.87÷1000=_____

76.9876÷100=_____ 43769.87÷100=_____

54.0243÷10000=_____ 54.02403÷10000=_____

Put these in order from smallest to largest:

3.45 76.88 2.001 3.03 3.43 03.451

Remember when we multiplied fractions by each other???....Now we will multiply them by a whole number.

3 x $\frac{1}{2}$= Any whole number is really that number over 1. All we do is put 3 over 1 and continue onward multiplying.
Remember to reduce down BEFORE you multiply.

$\frac{3}{1}$x $\frac{1}{2}$ =$\frac{3}{2}$

Practice multiplying.

$\frac{6}{3}$ x 3= 4 x $\frac{1}{2}$ = 5 x $\frac{3}{4}$ =

2 x $\frac{1}{2}$ = 5 x $\frac{3}{5}$= 10 x $\frac{1}{5}$=

Practice division----remember to do the reciprocal

3 ÷ $\frac{9}{3}$= 5÷ $\frac{10}{5}$=

4 ÷ $\frac{4}{12}$= 5 ÷ $\frac{4}{3}$=

Practice addition and subtraction

$\frac{12}{24}$ + $\frac{10}{24}$= $\frac{5}{8}$ + $\frac{6}{8}$=

$\frac{12}{24}$ - $\frac{10}{24}$= $\frac{5}{8}$ - $\frac{6}{8}$=

8 X10	2 X6	5 X2	1 X8	8 X9	3 X6	1 X2	2 X2	7 X9	6 X4
6 X1	3 X3	3 X4	4 X0	4 X2	4 X2	1 X5	5 x10	8 X8	8 X0
3 X5	1 X6	4 X6	3 X4	1 X0	3 X7	1 X10	4 X8	3 X2	5 X4
8 X2	6 X0	1 X9	8 X7	9 X2	7 X10	8 X6	7 X0	1 X2	7 X8
5 X7	7 X7	0 X4	3 X0	6 X7	9 X9	1 X3	6 X2	1 X1	10 X4
3 X1	5 X6	5 X8	7 X4	4 X8	10 X9	4 X4	3 X8	8 X2	3 X10
5 X9	5 X4	1 X7	7 X2	6 X6	5 X2	3 X8	7 X6	8 X6	8 X1
9 X7	8 X9	2 X0	9 X6	5 X1	3 X6	4 X9	5 X5	2 X9	1 X9
9 X6	5 X7	9 X0	5 X6	9 X4	0 X0	1 X4	3 X7	4 X7	7 X2
10 X2	5 X0	10 X6	5 X3	5 X8	10 X10	5 X0	7 X1	3 X2	3 X9

Percent

The term percent means "per hundred". A percent compares a number to 100. For example 30 percent means 30 out of 100 or $\frac{30}{100}$. The symbol % stands for a percent. You write 21 out of 100 as 21%.

To write a percent as a decimal, remember that a percent is always in the hundredths. 35 percent is the same as 35 hundredths.

35% = $\frac{35}{100}$ = 0.35

To write a decimal as a percent, think of the decimal in hundredths. Then you can write it as a percent. 7 tenths (0.7) is the same as 70 hundredths (0.70), which is the same as 70%

.7 = 0.70 = $\frac{70}{100}$ = 70%

A quick way to write a decimal as a percent is to multiply the decimal by 100. This method words because percents are already in hundredths.

.40 = 40 %

Write the following as a percent:

.30_____ .25_____ .77_____

.98_____ .43_____ .80_____

A quick way to write percent as a decimal is to divide by 100.

40%= .40 remember how to move the decimal to the left. Since it is already at the end of the whole number you move it to the left two places for the 2 zeros.

Write the following as a decimal

60%_____ 3%_____ 22%_____

32%_____ 7%_____ 88%_____

The last way is to change them to fractions.
We are going to memorize the common ones.

25% = $\frac{1}{4}$ 50%= $\frac{1}{2}$ 75%= $\frac{3}{4}$

10%=1/10 20%=2/10 30%=3/10 etc.

20%= 1/5 40%=2/5 60%=3/5 80%=4/5

How you would solve these is to take the percentage number or the decimal number and put it over 100. Then reduce down. 25/100= $\frac{1}{4}$= 25%

Let's fill in the blanks for the fractions:

20%=_____ 25%= _____ 30%=_____

75%=_____ 50%=_____ 60%=_____

10%=_____ 70%+_____ 90%=_____

Finding a percent of a number

There are 432 people in our church. 45% of them are boys. How many people are boys.
To solve this we find a percent of a number. What is 45% of 432?
Let me share something with you. The word "is" means = and the word "of" means multiply(x)
When we solve these, we changed the percentage to a decimal. 45% becomes .45.
Then let's rewrite the formula. 432 x .45= Now we can solve it.

Solve:
What is 32% of 21? What is 11% of 15?

Do you remember the squares??

81_____ 64_____ 49_____ 36_____

25_____ 16_____ 4_____ 121_____144_____

How about the Prime numbers up to 20?_____

Compare < > =

43.76_____43.99 323.876_____654.98 32.04_____32.40

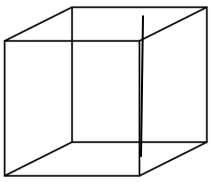
678.890____678.891 432.55_____432.55 432.8_____432.0

-43_____43 -876_____-976 -876_____-887

How do we find the perimeter of something?_____
How do we find the area of a rectangle shape?_____

How do we find out how much will fill a container? We need to find the volume of an object. That sort of object needs to be 3d. Imagine a cube, how much could we fit inside of it? We figured that out by using this formula Volume= length x width x height

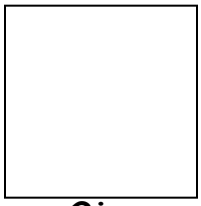
The height inside is 3



width 3 inches To find the area we take 3x3x2=18 inches cubed or 18 in^3

Length 2 inches

When we find the area we write it like this:

2in 

2x2= 4 inches squared or 4 in^2

2in

Find me the volume of an object with following dimension: 3 feet by 2 feet by 3 feet tall

_____ label it correctly

Volume: 10 yards by 5 yards by 3 yards

_____

Find me the area of the object that is 12 inches by 5 inches

_____

Find me the area of the object that is 20 feet by 8 feet.

_____

What is 30% of 24?

_____

What is 45% of 12?

_____

What is the perimeter of a square with 4 inches as sides?

_____

What is perimeter of a square with 20 ft as sides?

_____

8 X10	2 X6	5 X2	1 X8	8 X9	3 X6	1 X2	2 X2	7 X9	6 X4
6 X1	3 X3	3 X4	4 X0	4 X2	4 X2	1 X5	5 x10	8 X8	8 X0
3 X5	1 X6	4 X6	3 X4	1 X0	3 X7	1 X10	4 X8	3 X2	5 X4
8 X2	6 X0	1 X9	8 X7	9 X2	7 X10	8 X6	7 X0	1 X2	7 X8
5 X7	7 X7	0 X4	3 X0	6 X7	9 X9	1 X3	6 X2	1 X1	10 X4
3 X1	5 X6	5 X8	7 X4	4 X8	10 X9	4 X4	3 X8	8 X2	3 X10
5 X9	5 X4	1 X7	7 X2	6 X6	5 X2	3 X8	7 X6	8 X6	8 X1
9 X7	8 X9	2 X0	9 X6	5 X1	3 X6	4 X9	5 X5	2 X9	1 X9
9 X6	5 X7	9 X0	5 X6	9 X4	0 X0	1 X4	3 X7	4 X7	7 X2
10 X2	5 X0	10 X6	5 X3	5 X8	10 X10	5 X0	7 X1	3 X2	3 X9

Mental math time…….give this to mom and write the answers.

1. How many hours are in one day
2. How many weeks in a month—usually
3. How many days in two weeks
4. How many days in a year
5. How many months in a year
6. How many seconds in one minute
7. How many inches in one foot
8. How many feet in one yard
9. How many centimeters in one meter
10. How many millimeters in one centimeter
11. How many quarts in one gallon
12. How many pints in one quart
13. How many cups in one pint
14. How many feet in one mile
15. Write the number 43,275,890,876
16. Write the number 321,456,700
17. What number is in the hundreds place in 345,876
18. Write the decimal for .37
19. Write the decimal for 2.456
20. Draw a ray
21. Draw a line
22. Draw a line segment
23. Draw a pentagon
24. Draw a hexagon
25. Draw an octagon

Average

To find the average of a set of numbers, you add up all the numbers and then divide by the number of addends. This is helpful in finding out averages of your tests. If I had 5 tests and I want to know what the average score was , I would add them all up and divide by 5.

Find the average of the following numbers:

5 3 6 8 3 2

---

21 30 20 77

---

32 41 5 7 2

Now if you want to find out what the mean of your numbers is---the middle number you line up your numbers and get the middle number.

If you want to find out what the mode is---the number that shows up the most, you can see that by lining them up.

The range is the difference between the highest and lowest number is

8 2 4 1 2 5 7

First line them up: 1 2 2 4 5 7 8

The mode is= 2 most often found

The mean is 4 the middle number

The range is 7 the difference between 1 and 8

The average is 29 divided by 7 (you can do that)

Find me the following:

2 1 3 6 12 7 9

Mean_____ Median_____ Mode_____Average_____Range____

1 1 2 3 4 3 5

Mean_____ Median_____ Mode_____Average_____Range____

4 4 5 3 3 6 5 1

Mean_____ Median_____ Mode_____Average_____Range____

Do you remember the squares??

81_____ 64_____ 49_____ 36_____

25_____ 16_____ 4_____ 121_____144_____

How about the Prime numbers up to 20?_____

0÷1=	1÷10=	2÷20=	3÷3=	8÷8=
0÷2=	1÷9=	2÷18=	3÷6=	8÷16=
0÷3=	1÷8=	2÷16=	3÷9=	8÷24=
0÷4=	1÷7=	2÷14=	3÷12=	8÷32=
0÷5=	1÷6=	2÷12=	3÷15=	8÷40=
0÷6=	1÷5=	2÷10=	3÷18=	8÷48=
0÷7=	1÷4=	2÷8=	3÷21=	8÷56=
0÷8=	1÷3=	2÷6=	3÷24=	8÷64=
0÷9=	1÷2=	2÷4=	3÷27=	8÷72=
0÷10=	1÷1=	2÷2=	3÷30=	8÷80=

5÷5=	6÷60=	4÷40=	7÷70=	9÷9=
5÷10=	6÷54=	4÷36=	7÷63=	9÷18=
5÷15=	6÷48=	4÷32=	7÷56=	9÷27=
5÷20=	6÷42=	4÷28=	7÷49=	9÷36=
5÷25=	6÷36=	4÷24=	7÷42=	9÷45=
5÷30=	6÷30=	4÷20=	7÷35=	9÷54=
5÷35=	6÷24=	4÷16=	7÷28=	9÷63=
5÷40=	6÷18=	4÷12=	7÷21=	9÷72=
5÷45=	6÷12=	4÷8=	7÷14=	9÷81=
5÷50=	6÷6=	4÷4=	7÷7=	9÷90=

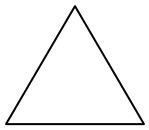
If you are having trouble with these, you might want to keep on them through the summer months. Goto xtra math.org and sign up for a free account. You can go online and do daily drills of any of the math facts for extra practice.

9 -6	6 -0	7 -5	11 -2	9 -4	4 -4	5 -3	8 -1	12 -7	3 -2
0 -0	14 -7	11 -9	7 -6	2 -1	10 -5	8 -0	15 -7	6 -4	13 -6
5 -2	17 -9	6 -5	1 -0	13 -8	9 -0	10 -2	8 -6	3 -1	16 -8
11 -5	7 -1	6 -3	12 -4	9 -8	4 -2	5 -1	2 -0	14 -9	7 -7
16 -9	3 -0	8 -8	5 -4	12 -8	11 -3	6 -1	10 -7	4 -0	14 -5
10 -3	8 -2	9 -9	18 -9	5 -0	10 -9	12 -6	8 -3	10 -6	2 -2
14 -8	6 -6	7 -4	11 -8	13 -4	9 -3	6 -2	5 -5	15 -9	7 -0
11 -6	15 -8	9 -1	7 -2	3 -3	14 -6	8 -4	1 -1	12 -5	15 -6
12 -9	11 -7	7 -3	4 -1	13 -5	17 -8	10 -1	13 -9	16 -7	11 -4
10 -8	8 -5	4 -3	9 -7	10 -4	9 -2	12 -3	13 -7	9 -5	8 -7

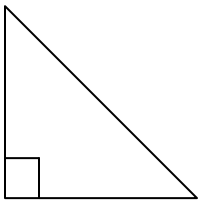
1 +4	0 +5	3 +5	0 +8	1 +9	8 +6	5 +7	0 +3	2 +1	5 +6
4 +7	1 +6	4 +0	7 +7	3 +8	9 +0	1 +5	6 +7	5 +2	2 +0
5 +3	4 +2	3 +7	6 +9	9 +8	9 +2	4 +8	8 +8	5 +8	9 +1
0 +4	1 +1	8 +0	2 +2	3 +1	5 +5	2 +7	2 +4	0 +2	4 +4
7 +5	8 +9	3 +0	6 +1	9 +4	0 +6	9 +7	3 +4	0 +1	9 +3
4 +3	7 +9	2 +6	9 +5	1 +2	8 +1	5 +9	0 +0	5 +1	7 +8
6 +6	1 +3	6 +8	7 +6	7 +3	9 +9	0 +7	7 +4	1 +7	5 +4
2 +8	6 +5	2 +9	4 +5	8 +7	6 +4	3 +6	1 +0	7 +2	3 +3
4 +1	4 +6	7 +1	0 +9	1 +8	9 +6	7 +0	2 +3	8 +2	6 +2
8 +4	2 +5	4 +9	6 +0	3 +2	8 +3	3 +9	5 +0	6 +3	8 +5

Kinds of triangles

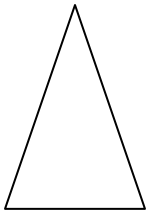
Triangles have three interior angles. An equilateral triangle has three sides of the same length.



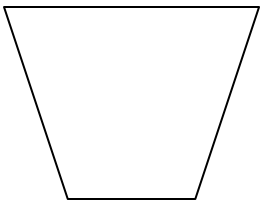
A right triangle has one right angle. A right angle is 90 degrees that square box means that it is a right angle



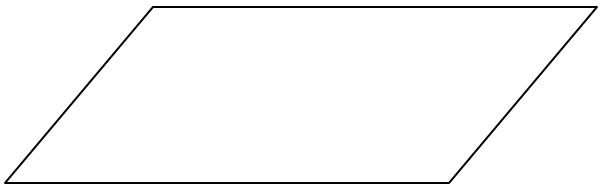
An isosceles triangle has at least two sides of the same length.



A polygon is a closed figure made out of three or more line segments. Triangles are three sided polygons. Four sided polygons are called quadrilaterals. (quad means 4)
A rectangle is a quadrilateral
A trapezoid is a quadrilateral it looks like a triangle with its head cut off



Parallelogram is a quadrilateral in which both pairs of opposite sides are parallel



Draw me a trapezoid

draw a parallelogram

Draw me a right triangle

draw an isosceles triangle

Do you remember the squares??

81_____ 64_____ 49_____ 36_____

25_____ 16_____ 4_____ 121_____144_____

How about the Prime numbers up to 20?_____

What is the formula for finding the area of rectangle?_____

What is the formula for finding the volume?_____

How do you find the perimeter?_____

What is 25% of 100?_____

What is 20% of 200?_____

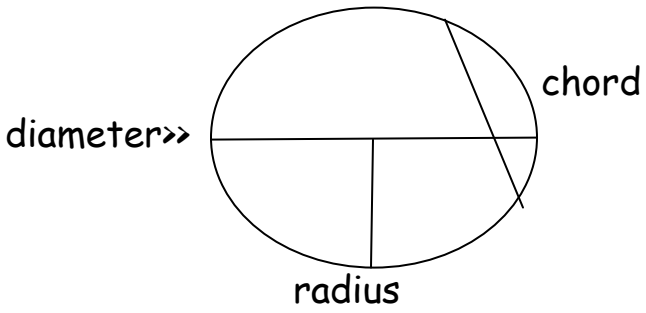
What is 5% of 12?_____

What is 24.32 +17.099+3.0=

Circles

You will be learning more about circles in the next years, this is just the basics.

If you were to draw a line through the center from one side to the other that would be called the diameter.
If you were to draw a line segment from one corner to another corner that would be called a chord.
A radius is half of the diameter. It is the distance from the center point to the edge of circle.



43.276x1000=_____ 65.987x100=_____

543.086÷100=_____ 5.9732÷1000=_____

543.8x1000=_____ 54.980÷10=_____

0.87÷10000=_____ 0.7x1000=_____

2^2=____ 4^2=_____ 6^2=_____ 3^2=_____ 5^2=_____ 7^2=_____ 8^2=_____ 9^2=____ 10^2=_____

11^2=_____ 12^2=_____

Adding and subtracting fractions with unlike denominators.
You add fractions with the same denominator by adding the numerators together and then reducing to lowest terms.

$\frac{1}{2} + \frac{1}{2} = 2/2=1$

To add fractions with different denominators you must first write them with a common denominator. Then you can add. You cannot add fractions where their denominators are different, because you would be adding parts of different sizes.

$\frac{1}{4} + \frac{2}{3}=$ first you find the lowest common multiple that they have in common---remember those trees we did?? That is where this comes in handy. We know that the lowest number that both these can go into is 12. 3 can only go into 3,6,9,12, 15 and 4 can go into 4, 8, 12, 16. So the one they have in common is 12. We use that as our denominator.

$\frac{1}{4} \frac{}{12}$ is how you set it up. Then you use the Z method---backwards. 4 goes into 12 how many times? 3. Then 3 x1= ? 3 Draw the backwards Z as you are doing it to solve.now you have 3/12

$\frac{2}{3} \frac{}{12}$ do the backwards Z method to fill in the box. 3 goes into 12 how many times? 4 and 4x2=? 8 . so you have 8/12

$\frac{3}{12} + \frac{8}{12}=$ Then solve normally. Reduce down if you can. You do the same for subtracting.

$$\frac{4}{7} + \frac{2}{21} = \_\_\_\_\_ \qquad \frac{2}{5} + \frac{7}{15} = \_\_\_\_\_ \qquad \frac{8}{14} - \frac{2}{7} = \_\_\_\_\_$$

$$\frac{3}{5} + -\frac{1}{4} = \_\_\_\_\_ \qquad \frac{5}{6} - -\frac{4}{9} = \_\_\_\_\_ \qquad \frac{8}{20} - \frac{7}{40} = \_\_\_\_\_$$

If you need some more practice, flip the paper over and do more on the back
Adding and subtracting mixed numbers

To add mixed numbers with the same denominator, first add the fractional part and then add the whole number parts

12 ½ + 4 ½ = you add the ½ parts first. You get $\frac{2}{2}$ and that equals 1 whole. You add 12 plus 4 and that equals 16. 16 +1= 17

Add the following numbers : rewrite them in a vertical problem. Even though there are 3 of them. Do the same thing, find the lowest common denominators.

2 2/3 + 3 ½ + 6 1/6=

5 5/6- 2 ¾=

Sometimes when you subtract mixed number, the fractional part you are subtracting from is too small. Then you need to regroup the number you are subtracting from: you regroup by adding one of the whole's to the fractional part. For example, here is how you subtract a mixed number from a whole number. Suppose that you want to take 2 3/16 from 5.

You can't take 3/16 from 0.

$$\begin{array}{r} 5 \\ -\ 2\ \frac{3}{16} \\ \hline \end{array}$$

you can regroup 1 whole as $\frac{16}{16}$

so that there are sixteenths to subtract

$$\begin{array}{rcl} 5 & = & 4\frac{16}{16} \\ 2\ \frac{3}{16} & = & -\ 2\ \frac{3}{16} \\ \hline & & \hline \\ & & 2\ \frac{3}{16} \end{array}$$

Practice and rewrite the following:

4 – 1 2/3=

5- 2 ¾=

Rewrite the following and multiply.

2 x 3/2=_____ 8/9 x ¾=_____

7÷4/2=_____ 5/3÷25/9=_____

2 ½ + 2 ¾=_____ 7 2/9 -3 1/9=_____

2 ¼ - 1 ¾ = _____this is a tricky one, you will need to "borrow" from the whole number. How do you think you will do that?

5- ¼=_____ 3- 1/8=_____

1 +4	0 +5	3 +5	0 +8	1 +9	8 +6	5 +7	0 +3	2 +1	5 +6
4 +7	1 +6	4 +0	7 +7	3 +8	9 +0	1 +5	6 +7	5 +2	2 +0
5 +3	4 +2	3 +7	6 +9	9 +8	9 +2	4 +8	8 +8	5 +8	9 +1
0 +4	1 +1	8 +0	2 +2	3 +1	5 +5	2 +7	2 +4	0 +2	4 +4
7 +5	8 +9	3 +0	6 +1	9 +4	0 +6	9 +7	3 +4	0 +1	9 +3
4 +3	7 +9	2 +6	9 +5	1 +2	8 +1	5 +9	0 +0	5 +1	7 +8
6 +6	1 +3	6 +8	7 +6	7 +3	9 +9	0 +7	7 +4	1 +7	5 +4
2 +8	6 +5	2 +9	4 +5	8 +7	6 +4	3 +6	1 +0	7 +2	3 +3
4 +1	4 +6	7 +1	0 +9	1 +8	9 +6	7 +0	2 +3	8 +2	6 +2
8 +4	2 +5	4 +9	6 +0	3 +2	8 +3	3 +9	5 +0	6 +3	8 +5

9 -6	6 -0	7 -5	11 -2	9 -4	4 -4	5 -3	8 -1	12 -7	3 -2
0 -0	14 -7	11 -9	7 -6	2 -1	10 -5	8 -0	15 -7	6 -4	13 -6
5 -2	17 -9	6 -5	1 -0	13 -8	9 -0	10 -2	8 -6	3 -1	16 -8
11 -5	7 -1	6 -3	12 -4	9 -8	4 -2	5 -1	2 -0	14 -9	7 -7
16 -9	3 -0	8 -8	5 -4	12 -8	11 -3	6 -1	10 -7	4 -0	14 -5
10 -3	8 -2	9 -9	18 -9	5 -0	10 -9	12 -6	8 -3	10 -6	2 -2
14 -8	6 -6	7 -4	11 -8	13 -4	9 -3	6 -2	5 -5	15 -9	7 -0
11 -6	15 -8	9 -1	7 -2	3 -3	14 -6	8 -4	1 -1	12 -5	15 -6
12 -9	11 -7	7 -3	4 -1	13 -5	17 -8	10 -1	13 -9	16 -7	11 -4
10 -8	8 -5	4 -3	9 -7	10 -4	9 -2	12 -3	13 -7	9 -5	8 -7

8 X10	2 X6	5 X2	1 X8	8 X9	3 X6	1 X2	2 X2	7 X9	6 X4
6 X1	3 X3	3 X4	4 X0	4 X2	4 X2	1 X5	5 x10	8 X8	8 X0
3 X5	1 X6	4 X6	3 X4	1 X0	3 X7	1 X10	4 X8	3 X2	5 X4
8 X2	6 X0	1 X9	8 X7	9 X2	7 X10	8 X6	7 X0	1 X2	7 X8
5 X7	7 X7	0 X4	3 X0	6 X7	9 X9	1 X3	6 X2	1 X1	10 X4
3 X1	5 X6	5 X8	7 X4	4 X8	10 X9	4 X4	3 X8	8 X2	3 X10
5 X9	5 X4	1 X7	7 X2	6 X6	5 X2	3 X8	7 X6	8 X6	8 X1
9 X7	8 X9	2 X0	9 X6	5 X1	3 X6	4 X9	5 X5	2 X9	1 X9
9 X6	5 X7	9 X0	5 X6	9 X4	0 X0	1 X4	3 X7	4 X7	7 X2
10 X2	5 X0	10 X6	5 X3	5 X8	10 X10	5 X0	7 X1	3 X2	3 X9

0÷1=	1÷10=	2÷20=	3÷3=	8÷8=
0÷2=	1÷9=	2÷18=	3÷6=	8÷16=
0÷3=	1÷8=	2÷16=	3÷9=	8÷24=
0÷4=	1÷7=	2÷14=	3÷12=	8÷32=
0÷5=	1÷6=	2÷12=	3÷15=	8÷40=
0÷6=	1÷5=	2÷10=	3÷18=	8÷48=
0÷7=	1÷4=	2÷8=	3÷21=	8÷56=
0÷8=	1÷3=	2÷6=	3÷24=	8÷64=
0÷9=	1÷2=	2÷4=	3÷27=	8÷72=
0÷10=	1÷1=	2÷2=	3÷30=	8÷80=

5÷5=	6÷60=	4÷40=	7÷70=	9÷9=
5÷10=	6÷54=	4÷36=	7÷63=	9÷18=
5÷15=	6÷48=	4÷32=	7÷56=	9÷27=
5÷20=	6÷42=	4÷28=	7÷49=	9÷36=
5÷25=	6÷36=	4÷24=	7÷42=	9÷45=
5÷30=	6÷30=	4÷20=	7÷35=	9÷54=
5÷35=	6÷24=	4÷16=	7÷28=	9÷63=
5÷40=	6÷18=	4÷12=	7÷21=	9÷72=
5÷45=	6÷12=	4÷8=	7÷14=	9÷81=
5÷50=	6÷6=	4÷4=	7÷7=	9÷90=

Draw a trapezoid:

Draw a parallelogram

Draw a right triangle

draw a isosceles triangle

What is 33% of 100=_____

what is 21% of 60=_____

What is 24% of 20=_____

what is 30% of 100=_____

Plug in the answers. Remember of means to multiply and is means equal

What is $\frac{1}{2}$ of 8= What is 2/3 of 4=

What is 1/7 of 24= what is $\frac{3}{4}$ of 60=

What is 1/8 of 28= what is $\frac{1}{4}$ of 50=

Write the following as a percent

.21_____ .89_____ 32.39_____ 31.98_____

Write the following as a decimal

75%_____ 23%_____ 125%_____ 1/5_____

$\frac{3}{4}$_____ 2/5_____ $\frac{1}{4}$_____ 1/10_____

Write as a fraction

75%_____ 5%_____ 20%_____ 25%_____

Ratio

A ratio is a way of comparing the size of two numbers. If a family has 4 girls and 5 boys then the ratio of girls to boys is 4:5 or 4 to 5 or 4/5.

Variables

When a letter stands for a number it is called a variable. For example instead of writing 5 + ?= 8 we can write 5 + x=8 we know that x = 3. We call a letter like x a variable because it can vary, or change. It can stand for different numbers. Finding what number the variable in an equation stands for is called solving the equation.

We know that subtraction is opposite of addition, so we can solve the problem by doing the opposite operation.

Solve: 24-x=87 what is x_____ x +82=125 what is x_____

25 ÷x= 5 what is x_____ a x 4=16 what is a_____

5637	2011	1232
X1211	x2352	x1683

42 | 2448.43

30 | 9976.30

Fill in the blanks with the backwards Z method===to find the equivalent fractions

$\frac{3}{4} = \frac{\quad}{16}$ $\frac{2}{7} = \frac{\quad}{21}$ $\frac{6}{9} = \frac{\quad}{27}$ $\frac{9}{5} = \frac{\quad}{45}$

Probability

Have you ever heard someone say that there is a "fifty-fifty" chance that something might happen? Do you ever describe the "chances" of something happening as "one in a million"? both of these are expressions that are talking of probability. Probability is a measurement of how likely it is that something will happen. A high probablility means that it is likely a low probability means it probably won't.

Suppose you have a bag that contains 3 red marbles and 1 black marbles. If you reach into the bag and pick out one marble without looking, what is the probability that it will be black? The probability is one in four because of the four marbles you pick, only one of them is black. This probability can be written as a fraction $\frac{1}{4}$. It can also be written as a percent 25%. There is a 25% chance it will be black.
Something to know☺

Word problems

1. Jentzen had 2,834 legos, but he lost 18. How many legos does he have now?

2. Stephen baked 120 muffins. Jadyn baked 11 times as many. How many muffins did Jadyn bake?

3. There are 12, 240 books in a library. They are arranged on shelves that hold 8 books each. How many shelves are in the library?

4. Sam has 1850 crayons. Sarah has 739 crayons. How many more crayons does Sam have than Sarah?

5. Brad has 10,000 balloons, 624 of them are red and the rest are green. How many green balloons does he have?

6. 21 people are going to the zoo. There are 3 vans to take people to the zoo. How many will go in each van if the same number go in each van and all of the people go to the zoo?

7. I have 54 cents to buy candy. If each piece of bulk candy costs 3 cents, how many gumdrops can I buy?

8. Autumn had 3 packages of cupcakes. There are 4 cupcakes in each package. She ate 5 cupcakes. How many are left?

8. 19 children take a mini bus to the zoo. They are to sit 2 or 3 to a seat. There are 7 seats. How many seats will have 3 children seated on them?

9. Mike put his toys into boxes. He put 250 toys equally into 5 boxes. How many toys did he have in each box?

1 +4	0 +5	3 +5	0 +8	1 +9	8 +6	5 +7	0 +3	2 +1	5 +6
4 +7	1 +6	4 +0	7 +7	3 +8	9 +0	1 +5	6 +7	5 +2	2 +0
5 +3	4 +2	3 +7	6 +9	9 +8	9 +2	4 +8	8 +8	5 +8	9 +1
0 +4	1 +1	8 +0	2 +2	3 +1	5 +5	2 +7	2 +4	0 +2	4 +4
7 +5	8 +9	3 +0	6 +1	9 +4	0 +6	9 +7	3 +4	0 +1	9 +3
4 +3	7 +9	2 +6	9 +5	1 +2	8 +1	5 +9	0 +0	5 +1	7 +8
6 +6	1 +3	6 +8	7 +6	7 +3	9 +9	0 +7	7 +4	1 +7	5 +4
2 +8	6 +5	2 +9	4 +5	8 +7	6 +4	3 +6	1 +0	7 +2	3 +3
4 +1	4 +6	7 +1	0 +9	1 +8	9 +6	7 +0	2 +3	8 +2	6 +2
8 +4	2 +5	4 +9	6 +0	3 +2	8 +3	3 +9	5 +0	6 +3	8 +5

1. my dog had some bones. Then he dug up 367 bones. Now he has 800 bones. How many bones did he start with?

2. Carol had 1,280 dolls and Sarah had 2,987 dolls. If they put them together how many will they have?

3. Joe was walking through the park and saw a flock of 342 birds flying by. How many wings were in the flock??

4. Lucy was in the hospital and she got 459 cards from around the world. When she got home she got 294 more. How many cards did she get?

5. Collin is 18 years old. His grandmother is 6 times as old as he. How old is the grandmother?

6. Evan bought some new clothes. He bought eighteen shirts that cost $8 each, nineteen pants that cost $5 each, and thirteen jackets that cost $10 each. How much did he spend in all?

7. I counted all the pockets I had on my clothes today. Altogether I had 27. I had eight on my shirt and fourteen on my pants. How many pockets were on my coat?

8. George scored 155 goals playing soccer last season. This season he scored 178. What is the total number of goals George scored?

9. Sam needs to read a 567 page book for school. He has already read 147 pages. How many pages does he have left?

9 -6	6 -0	7 -5	11 -2	9 -4	4 -4	5 -3	8 -1	12 -7	3 -2
0 -0	14 -7	11 -9	7 -6	2 -1	10 -5	8 -0	15 -7	6 -4	13 -6
5 -2	17 -9	6 -5	1 -0	13 -8	9 -0	10 -2	8 -6	3 -1	16 -8
11 -5	7 -1	6 -3	12 -4	9 -8	4 -2	5 -1	2 -0	14 -9	7 -7
16 -9	3 -0	8 -8	5 -4	12 -8	11 -3	6 -1	10 -7	4 -0	14 -5
10 -3	8 -2	9 -9	18 -9	5 -0	10 -9	12 -6	8 -3	10 -6	2 -2
14 -8	6 -6	7 -4	11 -8	13 -4	9 -3	6 -2	5 -5	15 -9	7 -0
11 -6	15 -8	9 -1	7 -2	3 -3	14 -6	8 -4	1 -1	12 -5	15 -6
12 -9	11 -7	7 -3	4 -1	13 -5	17 -8	10 -1	13 -9	16 -7	11 -4
10 -8	8 -5	4 -3	9 -7	10 -4	9 -2	12 -3	13 -7	9 -5	8 -7

221

1. Wesley made 88 baskets on Monday. He made 219 on Tuesday. How many baskets did he make in all?

2. Amy picked 376 apples, Greg ate 218 of them. How many apples are left?

3. Lauren has 265 bottles of nail polish. Riley had 176 bottles. How many more bottles does Lauren have than Riley?

4. Sadie ate 678 dog bones last year. Polar ate 243 last year. How many more bones did Sadie eat than Polar?

5. Amy spent $57.98 on food. Danielle spent $25.76 + $17.01 on her food. Who spent more and how much more?

6. I spent the following: $9.17 on Monday, $ 2.43 on Tuesday, $5.43 on Wednesday, $12.43 on Thursday, and $5.00 on Friday. How much more did I spend on Monday than Friday?

How much did I spend altogether?

7. Sam bought 900 pieces of paper. He used 178 pieces. How many pieces of paper does he have left?

8. Bobbie bought a hot dog for $1.75 and a bag of chips for 75 cents. Sheila bought 2 hotdogs and 2 bags of chips. How much more money did Sheila spend than Bobbie?

8 X10	2 X6	5 X2	1 X8	8 X9	3 X6	1 X2	2 X2	7 X9	6 X4
6 X1	3 X3	3 X4	4 X0	4 X2	4 X2	1 X5	5 x10	8 X8	8 X0
3 X5	1 X6	4 X6	3 X4	1 X0	3 X7	1 X10	4 X8	3 X2	5 X4
8 X2	6 X0	1 X9	8 X7	9 X2	7 X10	8 X6	7 X0	1 X2	7 X8
5 X7	7 X7	0 X4	3 X0	6 X7	9 X9	1 X3	6 X2	1 X1	10 X4
3 X1	5 X6	5 X8	7 X4	4 X8	10 X9	4 X4	3 X8	8 X2	3 X10
5 X9	5 X4	1 X7	7 X2	6 X6	5 X2	3 X8	7 X6	8 X6	8 X1
9 X7	8 X9	2 X0	9 X6	5 X1	3 X6	4 X9	5 X5	2 X9	1 X9
9 X6	5 X7	9 X0	5 X6	9 X4	0 X0	1 X4	3 X7	4 X7	7 X2
10 X2	5 X0	10 X6	5 X3	5 X8	10 X10	5 X0	7 X1	3 X2	3 X9

1. Kim read that North America covered an area of 9,365,290 miles and Europe covered 3,873,082 square miles. How much bigger is North America than Europe?

2. Greg looked at his car's odometer before a trip. It showed that he had traveled 212.3 miles. When he stopped for lunch, the odometer read 372.0. how many miles had he traveled?

3. Sam ate 1 ½ of pepperoni pizza and 3 ½ of sausage pizza. How much did he eat in all?

4. Linda needs to be at work by 9:00 am. It takes her 10 minutes to shovel her car out of snow, 25 minutes to prepare for the day, and 20 minuts to drive to work. What time should she wake up so she can get to work on time?

5 Madelyn bought 3 hotdogs, 2 servings of nachos, and 4 pizzas. Each of the items cost $1.50. How much did she pay for all the food.

6. Austin bought 4 pizzas with 8 slices each. He and his friends ate 21 slices of the pizza. How many slices were left?

7. Mr. Peabody gave 50 cents to each student. If there are 54 students, how much did Mr Peabody give away?

0÷1=	1÷10=	2÷20=	3÷3=	8÷8=
0÷2=	1÷9=	2÷18=	3÷6=	8÷16=
0÷3=	1÷8=	2÷16=	3÷9=	8÷24=
0÷4=	1÷7=	2÷14=	3÷12=	8÷32=
0÷5=	1÷6=	2÷12=	3÷15=	8÷40=
0÷6=	1÷5=	2÷10=	3÷18=	8÷48=
0÷7=	1÷4=	2÷8=	3÷21=	8÷56=
0÷8=	1÷3=	2÷6=	3÷24=	8÷64=
0÷9=	1÷2=	2÷4=	3÷27=	8÷72=
0÷10=	1÷1=	2÷2=	3÷30=	8÷80=

5÷5=	6÷60=	4÷40=	7÷70=	9÷9=
5÷10=	6÷54=	4÷36=	7÷63=	9÷18=
5÷15=	6÷48=	4÷32=	7÷56=	9÷27=
5÷20=	6÷42=	4÷28=	7÷49=	9÷36=
5÷25=	6÷36=	4÷24=	7÷42=	9÷45=
5÷30=	6÷30=	4÷20=	7÷35=	9÷54=
5÷35=	6÷24=	4÷16=	7÷28=	9÷63=
5÷40=	6÷18=	4÷12=	7÷21=	9÷72=
5÷45=	6÷12=	4÷8=	7÷14=	9÷81=
5÷50=	6÷6=	4÷4=	7÷7=	9÷90=

Prices for the game

Pizza	1.25
Chips	.75
Pop	.50
Candy	.25
Nacho	1.50
Hot dog	1.00
Salad	4.50
Hamburger	2.50

1. I bought hamburger, hotdog, 2 chips, and 2 pops. How much did I spend?

2. Amy bought a salad, 3 pops, 2 hotdogs, and 4 candies. How much did she spend?

3. Stephen got a hotdog and chips. Jentzen bougth 3 hotdogs and 1 pop. How much more did Jentzen spend?

4. Sarah bought 20 pieces of candy and 5 bags of chips. How much did she spend?

5. We sold 25 nachos on Monday, 45 on Tuesday and 20 on Wednesday. How much did we make in dollars on the nachos?

6. Karen bought a hotdog, chips, and a pop. Randall bought a hamburger, nachos, 2 pops and 3 chips. How much did they spend altogether?

7. I want one of each of the items. How much will it cost me?

8 X10	2 X6	5 X2	1 X8	8 X9	3 X6	1 X2	2 X2	7 X9	6 X4
6 X1	3 X3	3 X4	4 X0	4 X2	4 X2	1 X5	5 x10	8 X8	8 X0
3 X5	1 X6	4 X6	3 X4	1 X0	3 X7	1 X10	4 X8	3 X2	5 X4
8 X2	6 X0	1 X9	8 X7	9 X2	7 X10	8 X6	7 X0	1 X2	7 X8
5 X7	7 X7	0 X4	3 X0	6 X7	9 X9	1 X3	6 X2	1 X1	10 X4
3 X1	5 X6	5 X8	7 X4	4 X8	10 X9	4 X4	3 X8	8 X2	3 X10
5 X9	5 X4	1 X7	7 X2	6 X6	5 X2	3 X8	7 X6	8 X6	8 X1
9 X7	8 X9	2 X0	9 X6	5 X1	3 X6	4 X9	5 X5	2 X9	1 X9
9 X6	5 X7	9 X0	5 X6	9 X4	0 X0	1 X4	3 X7	4 X7	7 X2
10 X2	5 X0	10 X6	5 X3	5 X8	10 X10	5 X0	7 X1	3 X2	3 X9

1. You give 1/3 of the pan of brownies to Sam and 1/6 of the pan to Mike. How much of the pan of brownies did you give away?

2.You go for a walk. You walk $\frac{3}{4}$ mile and then sit down to take a rest. Then you walk 3/8 of a mile. How far did you walk total?

3.Pam walks 7/8 of a mile to school. Paul walks $\frac{1}{2}$ of a mile to school. How much farther does Pam walk than Paul?

4. Betty made two types of cookies. She used 2/3 cup of sugar for one recipe and $\frac{1}{4}$ cup of sugar for the other. How much sugar did she use in all?

5. Of the 86 children in 5^{th} grade, 3/5 went to the parties. How many students went to the parties in all?

6. 30 people watched the football game last night. Tickets cost $2.75 each. Half of these fans bought a program at $1.50 each. How much money was collected altogether?

7.In summertime, you can earn $5 a day cutting grass. How many days will it take you to earn $125?

8. Arthur baked 115 muffins, which is 24 more than Anna. How many muffins did Anna bake?

9 -6	6 -0	7 -5	11 -2	9 -4	4 -4	5 -3	8 -1	12 -7	3 -2
0 -0	14 -7	11 -9	7 -6	2 -1	10 -5	8 -0	15 -7	6 -4	13 -6
5 -2	17 -9	6 -5	1 -0	13 -8	9 -0	10 -2	8 -6	3 -1	16 -8
11 -5	7 -1	6 -3	12 -4	9 -8	4 -2	5 -1	2 -0	14 -9	7 -7
16 -9	3 -0	8 -8	5 -4	12 -8	11 -3	6 -1	10 -7	4 -0	14 -5
10 -3	8 -2	9 -9	18 -9	5 -0	10 -9	12 -6	8 -3	10 -6	2 -2
14 -8	6 -6	7 -4	11 -8	13 -4	9 -3	6 -2	5 -5	15 -9	7 -0
11 -6	15 -8	9 -1	7 -2	3 -3	14 -6	8 -4	1 -1	12 -5	15 -6
12 -9	11 -7	7 -3	4 -1	13 -5	17 -8	10 -1	13 -9	16 -7	11 -4
10 -8	8 -5	4 -3	9 -7	10 -4	9 -2	12 -3	13 -7	9 -5	8 -7

1. The turtle at the zoo weighs 145 pounds. It is 5 times heavier than the baby turtle. How much does the baby turtle weight?

2. John makes $4.75 an hour at his work. If he works 6 hours, how much money will he earn?

3. Baby Jack plays with blocks. Each block is 2.4 inches tall. He has a collection of 42 blocks. If he could stack them on top of each other, how tall will the tower be?

4. Jim rides the bus to school each day. A round trip is 5.2 miles. How many miles does he go in 4 days?

5. Amy baked 6 dozen cookies. She sold them for $4 per half dozen. How much would she make if she sold them all?

6. Collin noticed two rides were 33 feet apart. How many yards is that?

7. My table is 288 inches long. How many feet is that?

8 Collin drank 64 ounces of coffee. How many cups is that?

9. Collin is 85 inches tall. How tall is he?