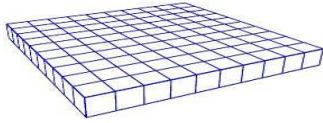


Ordinal numbers

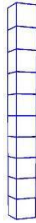
X A B D C E Z L M O

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

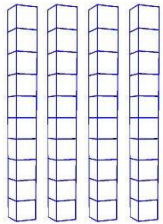


10=tens

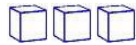


1=ones

How many of the following do we have:

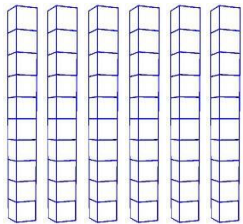


+



=

4 tens + 3 ones = 43



+

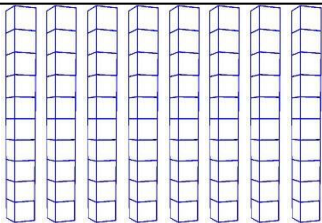


=

_____tens + _____ones=_____



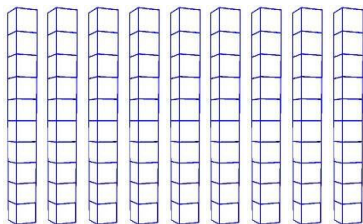
+



+



_____hundreds+_____tens+_____ones=_____



+



=_____tens+_____ones=_____



=_____

Hundreds Chart

Practice by filling in the chart from 1-100

1									

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 10th.

Box in the letter that is 5th

Put a triangle around the 4th letter

Put a star around the 7th letter

Put an X on the 3rd letter

Put a line above the 1st letter

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 =

$75 \underline{\hspace{1cm}} 32$

$450 \underline{\hspace{1cm}} 217$

$22 \underline{\hspace{1cm}} 17$

$17 \underline{\hspace{1cm}} 56$

$299 \underline{\hspace{1cm}} 455$

$18 \underline{\hspace{1cm}} 9$

$44 \underline{\hspace{1cm}} 99$

$100 \underline{\hspace{1cm}} 100$

$66 \underline{\hspace{1cm}} 666$

What number comes after the following:

$24 \underline{\hspace{1cm}}$

$54 \underline{\hspace{1cm}}$

$75 \underline{\hspace{1cm}}$

$124 \underline{\hspace{1cm}}$

$651 \underline{\hspace{1cm}}$

$345 \underline{\hspace{1cm}}$

$7 \underline{\hspace{1cm}}$

$10 \underline{\hspace{1cm}}$

$100 \underline{\hspace{1cm}}$

What number comes before

$8 \underline{\hspace{1cm}}$

$54 \underline{\hspace{1cm}}$

$77 \underline{\hspace{1cm}}$

$432 \underline{\hspace{1cm}}$

$76 \underline{\hspace{1cm}}$

$90 \underline{\hspace{1cm}}$

$210 \underline{\hspace{1cm}}$

$100 \underline{\hspace{1cm}}$

$1 \underline{\hspace{1cm}}$

$54 \underline{\hspace{1cm}}$

$66 \underline{\hspace{1cm}}$

$1000 \underline{\hspace{1cm}}$

Hundreds Chart

Fill in the chart

1									10
									50
									100

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 _____

Can you read the following numbers to MOM

765

32

7,320

900

80

11

176

22,876

76,980

13,001

4,096

3,876

765

77

98

65

16

34

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,

What comes next:

5, 6, _____

1, 4, 7, _____

15, 13, 11, _____

10, 20 _____

Follow the pattern

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

2, 1, 3, 1, 4, _____

100, 99, 98, _____

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? _____

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

$17-9=$ _____ $5-4=$ _____ $12-8=$ _____ $11-9=$ _____

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

When you add 5 plus 5, the sum is 10

$6+6=$ _____ $7+6=$ _____ $5+3=$ _____ $9+9=$ _____

Let's learn to count by 10's

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

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 < > =

$2+3 \underline{\hspace{1cm}} 5+7$

$4+2 \underline{\hspace{1cm}} 0+8$

$7+5 \underline{\hspace{1cm}} 6+6$

$4-2 \underline{\hspace{1cm}} 5-3$

$9-7 \underline{\hspace{1cm}} 5-3$

$5-1 \underline{\hspace{1cm}} 12-8$

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:

$$\begin{array}{r} 22 \\ +53 \\ \hline \end{array}$$

$$\begin{array}{r} 55 \\ +84 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ +11 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ +42 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ +22 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ +44 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ +28 \\ \hline \end{array}$$

$$\begin{array}{r} 81 \\ +18 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ +22 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ +77 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ +27 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ +45 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ +20 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ +20 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ +49 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ +43 \\ \hline \end{array}$$

Write < > =

$3+2 \underline{\hspace{1cm}} 7-5$

$6+8 \underline{\hspace{1cm}} 12-5$

$6+6 \underline{\hspace{1cm}} 19-6$

$7+9 \underline{\hspace{1cm}} 10-5$

$8+6 \underline{\hspace{1cm}} 3+2$

$5+5 \underline{\hspace{1cm}} 10-9$

$87 \underline{\hspace{1cm}} 99$

$54 \underline{\hspace{1cm}} 80$

$22 \underline{\hspace{1cm}} 78$

$66 \underline{\hspace{1cm}} 81$

$11 \underline{\hspace{1cm}} 11$

$20 \underline{\hspace{1cm}} 20$

$9 \underline{\hspace{1cm}} 9$

$8 \underline{\hspace{1cm}} 88$

$4 \underline{\hspace{1cm}} 14$

$44 \underline{\hspace{1cm}} 41$

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:

$$\begin{array}{r} 87 \\ -25 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ -32 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ -74 \\ \hline \end{array}$$

$$\begin{array}{r} 99 \\ -88 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ -75 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ -71 \\ \hline \end{array}$$

$$\begin{array}{r} 55 \\ -45 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ -44 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ -40 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ -30 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ -80 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ -10 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ -20 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ -10 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ -70 \\ \hline \end{array}$$

$$\begin{array}{r} 97 \\ -21 \\ \hline \end{array}$$

How much is a penny worth? _____

How much is a nickel worth? _____

How much is a dime worth? _____

How much is a quarter worth? _____

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

--	--	--	--	--	--	--	--	--	--

Count by 25's

--	--	--	--

Count by 5's

Shapes

A rectangle has how many sides? _____

Draw me one

A square has how many sides? _____

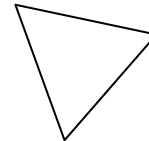
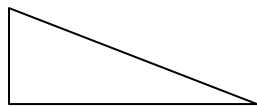
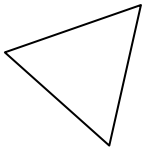
Draw me one

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



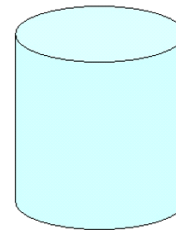
Cone



sphere



cube



cylinder

List some things that are this shape

Cone _____

Sphere _____

Cube _____

Cylinder _____

Match up the place value each column

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	One
5	4	8	5	3	2

62,453

7,641

486,113

11,277

813,463

594,483

254,089

79,841

27,115

Two hundred thousand

Three thousand

Four hundred thousand

Eight hundreds

Seven tens

Five ones

Six hundreds

Nine ten thousands

Five tens

Write the number that has;

4 hundred thousands

3 ten thousands

2 thousands

2 hundreds

8 tens

9 ones

_____ , _____

7 hundred thousands

5 ten thousands

8 thousands

9 hundreds

0 tens

4 ones

_____ , _____

9 hundred thousands

1 ten thousands

0 thousands

0 hundreds

3 tens

7 ones

_____ , _____

Addition with regrouping.

We know we add the ones place first, but if we end up with a two digit number we have to regroup. Then we add the tens place.

$$\begin{array}{r} 47 \\ +18 \\ \hline \end{array}$$
$$\begin{array}{r} \overset{|}{47} \\ +18 \\ \hline 5 \end{array}$$
$$\begin{array}{r} \overset{|}{47} \\ +18 \\ \hline 65 \end{array}$$

Add the following:

$$\begin{array}{r} 24 \\ +48 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ +76 \\ \hline \end{array}$$

$$\begin{array}{r} 85 \\ +66 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ +57 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ +88 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ +99 \\ \hline \end{array}$$

$$\begin{array}{r} 99 \\ +65 \\ \hline \end{array}$$

Addition regrouping. Addition means "putting together" or adding two or more numbers to find the sum. To regroup means to use one ten to form ten ones, one 100 to form ten tens, fifteen ones to form one ten and five ones and so on.

1. Add the ones . regroup
2. Add the tens. Regroup
3. Add the hundreds

$$\begin{array}{r} 29 \\ 46 \\ +12 \\ \hline \end{array}$$

$$\begin{array}{r} 81 \\ 78 \\ +33 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ 67 \\ +23 \\ \hline \end{array}$$

$$\begin{array}{r} 162 \\ +349 \\ \hline \end{array}$$

$$\begin{array}{r} 273 \\ +198 \\ \hline \end{array}$$

$$\begin{array}{r} 655 \\ +297 \\ \hline \end{array}$$

$$\begin{array}{r} 783 \\ +148 \\ \hline \end{array}$$

$$\begin{array}{r} 428 \\ +122 \\ \hline \end{array}$$

Count by 10s

--	--	--	--	--	--	--	--	--	--

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? _____

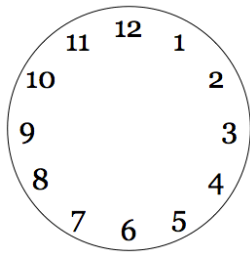
What is todays date—the month, day, and year? _____

What year is it? _____

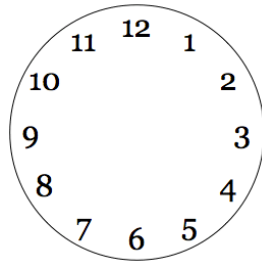
What year were you born in? _____

Telling time to the hour and half hour

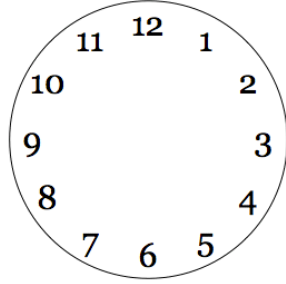
Write the following times on the clock:



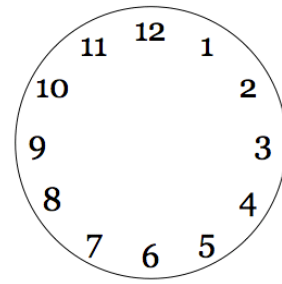
2:00



5:00



12:00

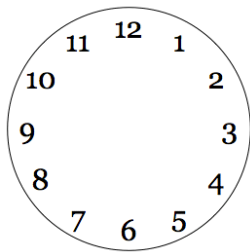


1:00

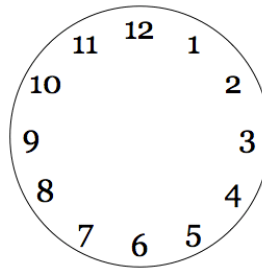
What time does that say? 2' o'clock

The long hand is the hour hand. The short hand is the minute hand.

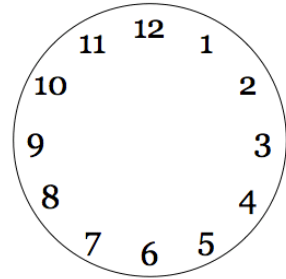
Write the times:



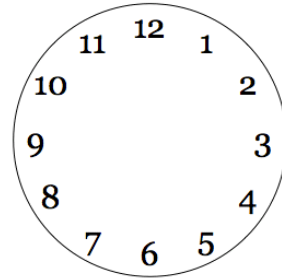
3:30



7:30

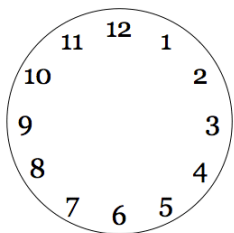


12:30

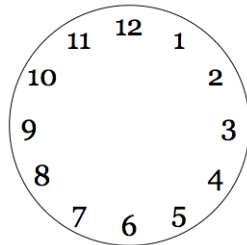


9:30

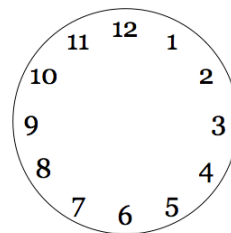
Write the following times



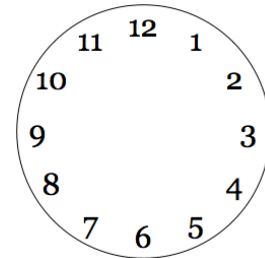
6:30



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 _____

Greater than or less than or equal to

$432 \underline{\hspace{1cm}} 9$

$5+2 \underline{\hspace{1cm}} 8$

$17 \underline{\hspace{1cm}} 5+5$

$30 \underline{\hspace{1cm}} 30$

$11 \underline{\hspace{1cm}} 6+5$

$5+5 \underline{\hspace{1cm}} 10$

$54 \underline{\hspace{1cm}} 87$

$98 \underline{\hspace{1cm}} 76$

$121 \underline{\hspace{1cm}} 65$

$765 \underline{\hspace{1cm}} 7$

$$\begin{array}{r} 542 \\ +438 \\ \hline \end{array}$$

$$\begin{array}{r} 675 \\ +545 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ 8 \\ +4 \\ \hline \end{array}$$

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							
----	----	----	--	--	--	--	--	--	--

Let's practice by writing the words out

1 _____

2 _____

3 _____

4 _____

5 _____

6 _____

7 _____

8 _____

9 _____

10 _____

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

Write the words for 1-10

Count by 5's

Count by 25's

--	--	--	--

$$\begin{array}{r} 479 \\ +432 \\ \hline \end{array}$$

$$\begin{array}{r} 654 \\ +432 \\ \hline \end{array}$$

$$\begin{array}{r} 432 \\ +987 \\ \hline \end{array}$$

$$\begin{array}{r} 765 \\ +865 \\ \hline \end{array}$$

$$\begin{array}{r} 764 \\ +437 \\ \hline \end{array}$$

$$\begin{array}{r} 432 \\ +432 \\ \hline \end{array}$$

$$\begin{array}{r} 889 \\ +321 \\ \hline \end{array}$$

Brooklyn collect 35 ants and 17 beetles in a morning. What was the sum? _____

Lilly found 27 bees and 18 wasps on a tour of her garden. How many insects did she find? _____

Liza caught 29 mud wasps. Susan caught 16 waterbugs. Milly caught 14 flies. How many bugs did they catch in all? _____

Brooklyn found 37 stink bugs and 27 fleas! How many insects did she find altogether? _____

Jadyn found 29 ants in the morning and then 9 more in the afternoon. How many ants in all did she find? _____

Brooklyn ate 28 candies on Wednesday. On Thursday she ate 53 more! How many candies did she eat altogether? _____

Subtraction

This is done the same way as addition. Do the ones place first and then move to the left.

$$\begin{array}{r} 76 \\ -43 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 95 \\ -73 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ -22 \\ \hline \end{array}$$

$$\begin{array}{r} 76 \\ -43 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ -22 \\ \hline \end{array}$$

$$\begin{array}{r} 55 \\ -44 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ -22 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 88 \\ -66 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ -80 \\ \hline \end{array}$$

Count by 10s

--	--	--	--	--	--	--	--	--	--

Count by 5s

--	--	--	--	--	--	--	--	--	--

Write the words out for the following numbers:

1 _____ 2 _____

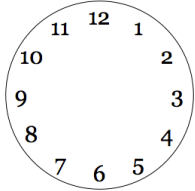
3 _____ 4 _____

5 _____ 6 _____

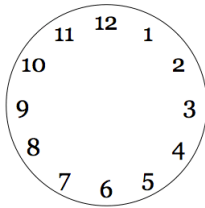
7 _____ 8 _____

9 _____ 10 _____

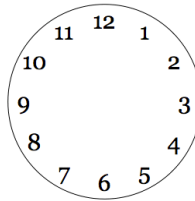
Fill in the clock hands:



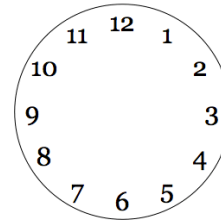
7:30



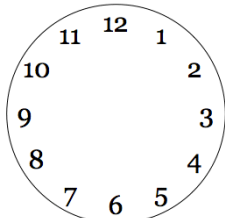
4:15



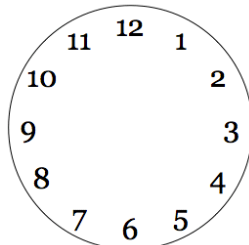
2:45



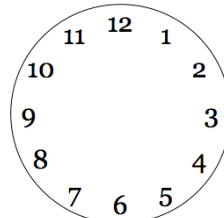
3:00



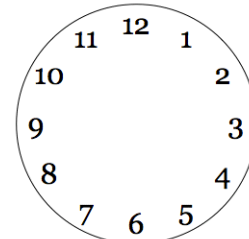
1:30



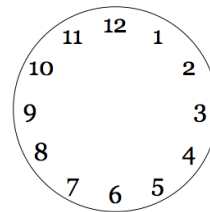
12:15



7:45



9:00



What time does church begin: _____ : _____

Write the numbers for 10-100 counting by 10s

10 _____ 20 _____

30 _____ 40 _____

50 _____ 60 _____

70 _____ 80 _____

90 _____ 100 _____

$$\begin{array}{r} 765 \\ -432 \\ \hline \end{array}$$

$$\begin{array}{r} 432 \\ +689 \\ \hline \end{array}$$

$$\begin{array}{r} 876 \\ -543 \\ \hline \end{array}$$

$$\begin{array}{r} 754 \\ +363 \\ \hline \end{array}$$

Write the words for the following

1st _____ 2nd _____

3rd _____ 4th _____

5th _____ 6th _____

7th _____ 8th _____

9th _____ 10th _____

$$\begin{array}{r} 643 \\ -321 \\ \hline \end{array}$$

$$\begin{array}{r} 732 \\ +558 \\ \hline \end{array}$$

$$\begin{array}{r} 999 \\ -675 \\ \hline \end{array}$$

$$\begin{array}{r} 567 \\ +585 \\ \hline \end{array}$$

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

$1+1=2$

$2+2=4$

$3+3=6$

$4+4=8$

$5+5=10$

$6+6=12$

$7+7=14$

$8+8=16$

$9+9=18$

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

--	--	--	--	--	--	--	--	--	--

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.

$$\begin{array}{r} 9 \\ + \\ \hline 10 \end{array} \quad \begin{array}{r} 8 \\ + \\ \hline 10 \end{array} \quad \begin{array}{r} 4 \\ + \\ \hline 10 \end{array} \quad \begin{array}{r} 7 \\ + \\ \hline 10 \end{array} \quad \begin{array}{r} 2 \\ + \\ \hline 10 \end{array} \quad \begin{array}{r} 3 \\ + \\ \hline 10 \end{array} \quad \begin{array}{r} 1 \\ + \\ \hline 10 \end{array} \quad \begin{array}{r} 5 \\ + \\ \hline 10 \end{array} \quad \begin{array}{r} 6 \\ + \\ \hline 10 \end{array}$$

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

$$5+8=13 \quad \text{so } 13-8=5 \quad \text{or } 13-5=8$$

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:

$$3 + \underline{\quad} = 5$$

$$9 + \underline{\quad} = 17$$

$$7 + \underline{\quad} = 12$$

$$2 + \underline{\quad} = 12$$

$$12 - \underline{\quad} = 6$$

$$10 - \underline{\quad} = 5$$

$$18 - \underline{\quad} = 9$$

$$20 - \underline{\quad} = 10$$

Do you remember your doubles?

$$2+2 = \underline{\hspace{2cm}}$$

$$3+3 = \underline{\hspace{2cm}}$$

$$4+4 = \underline{\hspace{2cm}}$$

$$5+5 = \underline{\hspace{2cm}}$$

$$6+6 = \underline{\hspace{2cm}}$$

$$7+7 = \underline{\hspace{2cm}}$$

$$8+8 = \underline{\hspace{2cm}}$$

$$9+9 = \underline{\hspace{2cm}}$$

$$1+1 = \underline{\hspace{2cm}}$$

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.

$$\begin{array}{r} 1 \\ 52 \\ +28 \\ \hline 80 \end{array}$$

Solve:

43	32	66	72	89	33	30
+28	+29	+44	+19	+11	+67	+70
<hr/>						

Adding three numbers

73	34	53	22	11	32
51	11	31	62	17	53
+14	+67	+17	+56	+23	+27
<hr/>					

Do you remember your doubles?

$2+2 = \underline{\hspace{2cm}}$ $3+3 = \underline{\hspace{2cm}}$

$4+4 = \underline{\hspace{2cm}}$ $5+5 = \underline{\hspace{2cm}}$

$6+6 = \underline{\hspace{2cm}}$ $7+7 = \underline{\hspace{2cm}}$

$8+8 = \underline{\hspace{2cm}}$ $9+9 = \underline{\hspace{2cm}}$

$1+1 = \underline{\hspace{2cm}}$

Fill in the missing numbers:

$13 - \underline{\quad} = 5$

$15 - \underline{\quad} = 5$

$9 - \underline{\quad} = 6$

$20 - \underline{\quad} = 10$

$8 - \underline{\quad} = 2$

$6 - \underline{\quad} = 2$

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.

$$\begin{array}{r} 2 \\ \cancel{3}2 \\ -17 \\ \hline 15 \end{array}$$

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

We then do the tens column

**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:

$$\begin{array}{r} 25 \quad 43 \quad 21 \quad 42 \quad 84 \quad 63 \quad 21 \\ -17 \quad -27 \quad -9 \quad -19 \quad -65 \quad -39 \quad -18 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \quad 94 \quad 72 \quad 61 \quad 84 \quad 85 \quad 91 \\ -48 \quad -69 \quad -53 \quad -44 \quad -76 \quad -66 \quad -72 \\ \hline \end{array}$$

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

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.

2

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

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

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

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.

$$\begin{array}{r} 43 \\ -17 \\ \hline \end{array}$$

$$\begin{array}{r} 57 \\ -38 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ -11 \\ \hline \end{array}$$

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

Do you remember your doubles?

$2+2=$ _____ $3+3=$ _____

$4+4=$ _____ $5+5=$ _____

$6+6=$ _____ $7+7=$ _____

$8+8=$ _____ $9+9=$ _____

$1+1=$ _____

Addition with thousands and regrouping

$$\begin{array}{r} 6873 \\ +5386 \\ \hline \end{array}$$

$$\begin{array}{r} 6549 \\ +6439 \\ \hline \end{array}$$

$$\begin{array}{r} 7432 \\ +4396 \\ \hline \end{array}$$

A plane flew 1838 miles on one day. It flew 2881 miles the second day. How many miles did it fly in all? _____

I have walked 3,287 miles. My sister has walked 1,043 miles. How many more miles did I walk than her? _____

The cat jumped 343 times. The dog jumped 213 times. How many times did they jump altogether? _____

Brooklyn made 27 grilled cheese sandwiches. We ate 8 of them. How many were left over? _____

Brooklyn made 45 popsicles, 25 cupcakes, and 14 cookies. How many did she make in all? _____

Brooklyn jumped rope 2,324 times. She hopscotched 323 times and she rode her bike 345 times. How many times did she do all of this together? _____

Practice regrouping addition and subtraction

$$\begin{array}{r} 3428 \\ +5432 \\ \hline \end{array}$$

$$\begin{array}{r} 2566 \\ +5329 \\ \hline \end{array}$$

$$\begin{array}{r} 8732 \\ +9061 \\ \hline \end{array}$$

$$\begin{array}{r} 6532 \\ +7001 \\ \hline \end{array}$$

$$\begin{array}{r} 3428 \\ -2108 \\ \hline \end{array}$$

$$\begin{array}{r} 7543 \\ -4357 \\ \hline \end{array}$$

$$\begin{array}{r} 9764 \\ -3587 \\ \hline \end{array}$$

$$\begin{array}{r} 6443 \\ -3765 \\ \hline \end{array}$$

Make sure if you were to write the addition or subtraction problems that you line up the places. If you do not you can do it improperly.

Write the following in vertical form.

$$678+543+543=\underline{\hspace{2cm}} \quad 7,754-2,098=\underline{\hspace{2cm}}$$

$$6+75+54+654=\underline{\hspace{2cm}}$$

$$654-399=\underline{\hspace{2cm}}$$

Brooklyn picked up 15 red pebbles at the beach. She also found 37 green ones. How many more green pebbles than red did she find? _____

Brooklyn saw 35 rainbow trout at the lake. She also saw 18 perch. How many more rainbow trout did she see than perch? _____

Brooklyn started out with 39 pickles. She then ate 18 of them. How many does she have left? _____

On Sunday, we saw 56 snakes in the woods. On Monday, we saw 24 more. How many more snakes did we see on Sunday than Monday?
? _____

We picked 87 flowers on Saturday, 24 on Sunday, and 11 on Monday. How many did we pick altogether? _____

Subtraction regrouping with zeros

- a) Subtract ones. You cannot subtract 2 ones from 0 ones.
- b) Regroup. No tens regroup hundreds. (2 hundreds +10 tens.)
- c) Regroup tens. (9 tens + 10 ones.)
- d) Subtract 2 ones from ten ones.
- e) Subtract 8 tens from 9 tens.
- f) Subtract 1 hundred from 2 hundreds.

$$\begin{array}{r} 300 \\ -182 \\ \hline 118 \end{array}$$

$$\begin{array}{r} 602 \\ -423 \\ \hline \end{array}$$

$$\begin{array}{r} 306 \\ -183 \\ \hline \end{array}$$

$$\begin{array}{r} 500 \\ -299 \\ \hline \end{array}$$

$$\begin{array}{r} 804 \\ -465 \\ \hline \end{array}$$

$$\begin{array}{r} _900 \\ -866 \\ \hline \end{array}$$

$$\begin{array}{r} 507 \\ -363 \\ \hline \end{array}$$

$$\begin{array}{r} 709 \\ -488 \\ \hline \end{array}$$

$$\begin{array}{r} 601 \\ -496 \\ \hline \end{array}$$

I was born in 1976. It is now 2016. How old will I be this year? _____

Steve was born in 1987. How old will he be in 2017? _____

Circle the operation needed to solve each problem

1. Sally spent 25 afternoons at the lake and 17 afternoons at the park. How many more afternoons did Sally spend at the lake than the park?

Addition

Subtraction

2. Molly need \$6 to go to the skating rink, but she only had \$4. How much more money did she need to go skating?

Addition

Subtraction

3. At the park, Sue played a game of soccer with her friends. If there were 8 people on Sue's team and 9 on the opposing team, how many people were playing soccer?

Addition

Subtraction

4. Jim's summer vacation was 95 days long. If he spent 35 summer day's at his uncle's house, how many days were not spent at his uncle's house?

Addition

Subtraction

5. The cost to send Madelyn to summer camp was \$350. Her big brother's summer camp cost \$450. How much money did Madelyn's parents spend on summer camp for their two children?

Addition

Subtraction

28	82	33	67
56	49	75	94
<u>+93</u>	<u>+51</u>	<u>+128</u>	<u>+241</u>

683	756	818	956
<u>-495</u>	<u>+139</u>	<u>-389</u>	<u>+295</u>

1588	5320	6041	2006
<u>-799</u>	<u>+759</u>	<u>-3832</u>	<u>-1865</u>

To drive from New York City to Los Angeles is 2833 miles. To drive from New York City to Miami is 1328 miles. How much farther is it to drive from New York City to Los Angeles than from New York City to Miami? _____

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_____

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 _____

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"

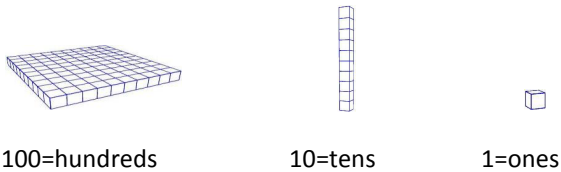
434 _____

767 _____

225 _____

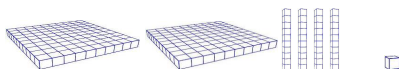
607 _____

Place value—remember these?



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

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.

$$\begin{array}{r} \$2.41 \\ + 1.58 \\ \hline 3.99 \end{array}$$

See the decimal?

$$\begin{array}{r} \$42.30 \\ - 11.21 \\ \hline \end{array}$$

$$\begin{array}{r} \$21.88 \\ - 10.44 \\ \hline \end{array}$$

$$\begin{array}{r} \$19.99 \\ - 9.87 \\ \hline \end{array}$$

$$\begin{array}{r} \$10.01 \\ - 7.00 \\ \hline \end{array}$$

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. Jadya bought a game for \$5.44. How much more did Evan spend?

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.

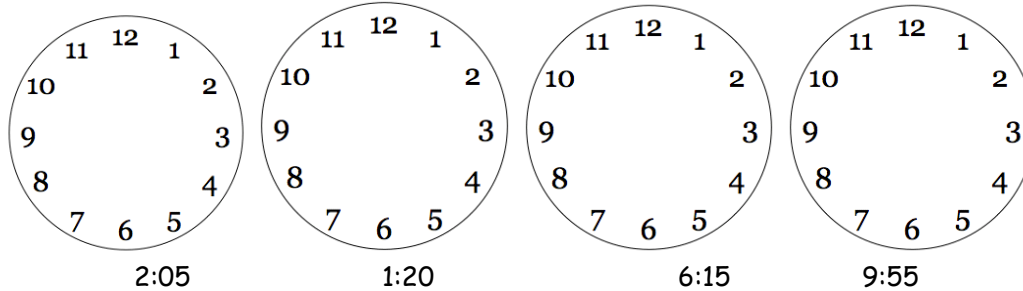
Telling time to the 5 minutes

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



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.

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.

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.

There are 762 movie titles listed on the computer. If Jane entered 287 more names into the computer, how many movie titles would be listed?

_____movie titles

One day, 278 movies were rented out. The next day, 192 movies were rented.

How many movies were rented altogether in those two days? _____movies

Jane liked to count the kid's movies. Janice counted 242 cartoon movies and 178 that were not cartoons. How many movies were in the kids' section? _____ movies

Jane counted 195 movies that she had already seen. She found another 178 that she wanted to see. If Jane saw those movies, how many altogether would she have seen? _____ movies

Over the summer, John worked 126 hours. His uncle worked 625 hours. How many more hours did Uncle Jake work than Johnathan? _____ more hours

It took 630 bricks to build the front wall of the house . The back wall took 725. How many more bricks were needed in the back of the house than in the front of the house? _____ more bricks

The bricks in the large pillar cost \$282. If the mortar between the bricks cost \$218 less, how much did the mortar cost? _____ dollars

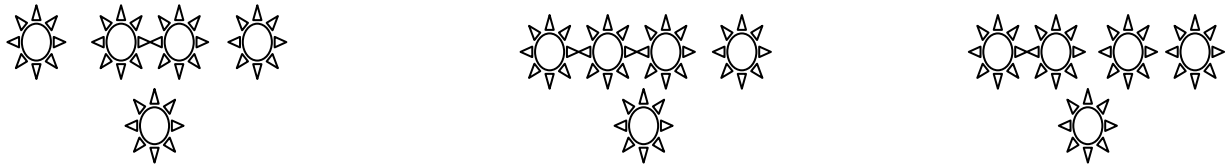
Jonathan earned \$380 helping his uncle this summer. Last summer he made \$287. How much more did he make this summer than last? _____ dollars

Multiplication is a fast way to add several sets of objects. For example. I have 4 sets of 2 objects.



What are the total number of smiley faces? _____

You can also say 4 sets of 2 equals eight $4 \times 2 = 8$



How many sunshines are there? _____ or

There are _____ sunshines in _____ groups.

_____ x _____ = _____

We are going to slowly start learning the multiplication facts.

Zero---means none.

If I have three plastic bags with no balls in any of the bags I have zero.

3 bags x 0 balls = 0 3 x 0=0

If I asked you how many elephants lived in our home and the Anters, what is your answer? _____ so in 2 homes x _____ elephants= _____ elephants

Lets memorize the zeros

$9 \times 0 = 0$

$8 \times 0 = 0$

$7 \times 0 = 0$

$6 \times 0 = 0$

$4 \times 0 = 0$

$0 \times 0 = 0$

$432 \times 0 = 0$ Got this?

Fill in the answers:

$7 \times 0 = \underline{\hspace{2cm}}$

$3 \times 0 = \underline{\hspace{2cm}}$

$22 \times 0 = \underline{\hspace{2cm}}$

$5 \times 0 = \underline{\hspace{2cm}}$

$1 \times 0 = \underline{\hspace{2cm}}$

$0 \times 0 = \underline{\hspace{2cm}}$

Now let's work on the ones.

Any number times 1 is that number.

$8 \times 1 = 8$

$6 \times 1 = 6$

$4 \times 1 = 4$

$543 \times 1 = 543$

Fill in the following:

$7 \times 1 = \underline{\hspace{2cm}}$

$9 \times 1 = \underline{\hspace{2cm}}$

$3 \times 1 = \underline{\hspace{2cm}}$

$0 \times 1 = \underline{\hspace{2cm}}$

$0 \times 5 = \underline{\hspace{2cm}}$

$10 \times 1 = \underline{\hspace{2cm}}$

$3 \times 1 = \underline{\hspace{2cm}}$

$0 \times 3 = \underline{\hspace{2cm}}$

$8 \times 1 = \underline{\hspace{2cm}}$

Those are pretty easy, right?

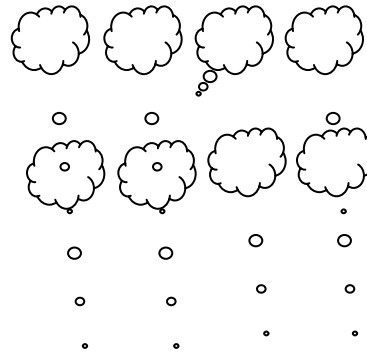


There are two groups of hearts. There are 3 hearts in each group. How many hearts are there in all? $2 \times 3 = 6$

How many clouds are there?

$4 + 4 = \underline{\hspace{2cm}}$

$2 \times 4 = \underline{\hspace{2cm}}$



Knowing how to count by 2s is helpful for this next group.

Count by 2s

--	--	--	--	--	--	--	--	--	--

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 $2 \times 6=12$

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:

$2 \times 1 = 2$ 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:

$1 \times 1=1$ $2 \times 1=2$ $3 \times 1=3$ $4 \times 1=4$ $5 \times 1=5$ $6 \times 1=6$ $7 \times 1=7$ $8 \times 1=8$ $9 \times 1=9$ $10 \times 1=10$

Or, multiplying any number by "1" is just the number.

Let's learn the other easy ones:

$0 \times 1=0$ $0 \times 2=0$ $0 \times 3=0$ $0 \times 4=0$ $0 \times 5=0$ $0 \times 6=0$ $0 \times 7=0$ $0 \times 8=0$ $0 \times 9=0$ $0 \times 10=0$

Or, any number times "0" is going to be zero. Because if I asked you to count by 3 zero times, the answer is zero.

$$\begin{array}{cccccccccc} 1 & & 9 & & 2 & & 8 & 3 & 7 & 4 & 5 & 6 \\ \times 1 & & \times 1 & & \times 1 & & \times 1 & \times 1 & \times 1 & \times 1 & \times 1 & \times 1 \end{array}$$

$$\begin{array}{cccccccccc} 0 & 6 & 5 & & 3 & & 8 & 1 & 7 & 4 & 2 \\ \times 0 & \times 0 & \times 0 & & \times 0 & & \times 0 & \times 0 & \times 0 & \times 0 & \times 0 \end{array}$$

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.

$2 \times 1 =$ $8 \times 0 =$ $4 \times 0 =$ $7 \times 1 =$ $9 \times 0 =$

$1 \times 5 =$ $0 \times 6 =$ $1 \times 8 =$ $3 \times 1 =$ $0 \times 0 =$

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=
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43-10=	88-10=	43-10=	61-10=
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Label the following:

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

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 $\frac{1}{2}$ 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

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 licorice. How many pieces of candy did he buy?

3. Jadya 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?

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

$2 \times 0 = 0$

$2 \times 6 = 12$

$2 \times 1 = 2$

$2 \times 7 = 14$

$2 \times 2 = 4$

$2 \times 8 = 16$

$2 \times 3 = 6$

$2 \times 9 = 18$

$2 \times 4 = 8$

$2 \times 10 = 20$

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

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

$2 \times 1 =$

$0 \times 10 =$

$1 \times 9 =$

$2 \times 8 =$

$8 \times 0 =$

$10 \times 2 =$

$7 \times 0 =$

$6 \times 1 =$

$10 \times 1 =$

$8 \times 1 =$

$6 \times 2 =$

$0 \times 5 =$

$4 \times 1 =$

$9 \times 2 =$

$9 \times 0 =$

$3 \times 2 =$

$1 \times 0 =$

$5 \times 1 =$

$2 \times 2 =$

$0 \times 4 =$

$2 \times 4 =$

$0 \times 2 =$

$2 \times 1 =$

$1 \times 1 =$

$1 \times 3 =$

$5 \times 2 =$

$0 \times 6 =$

$7 \times 1 =$

$7 \times 2 =$

$3 \times 0 =$

Count by 2's

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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?

$2+2=$ _____ $3+3=$ _____

$4+4=$ _____ $5+5=$ _____

$6+6=$ _____ $7+7=$ _____

$8+8=$ _____ $9+9=$ _____

$1+1=$ _____

$1 \times 2 =$ _____ $9 \times 2 =$ _____ $3 \times 2 =$ _____ $10 \times 2 =$ _____ $4 \times 2 =$ _____

$5 \times 2 =$ _____ $2 \times 2 =$ _____ $7 \times 2 =$ _____ $2 \times 6 =$ _____ $2 \times 8 =$ _____

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

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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: _____

$8000+400+30+7=$ _____

$9000+500+40+8=$ _____

$2 \times 1 =$ $0 \times 10 =$ $1 \times 9 =$ $2 \times 8 =$ $8 \times 0 =$

$10 \times 2 =$ $7 \times 0 =$ $6 \times 1 =$ $10 \times 1 =$ $8 \times 1 =$

$6 \times 2 =$ $0 \times 5 =$ $4 \times 1 =$ $9 \times 2 =$ $9 \times 0 =$

$3 \times 2 =$ $1 \times 0 =$ $5 \times 1 =$ $2 \times 2 =$ $0 \times 4 =$

$2 \times 4 =$ $0 \times 2 =$ $2 \times 1 =$ $1 \times 1 =$ $1 \times 3 =$

$5 \times 2 =$ $0 \times 6 =$ $7 \times 1 =$ $7 \times 2 =$ $3 \times 0 =$

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

Count by 5's

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$0 \times 5 =$ $5 \times 5 =$ $1 \times 5 =$ $6 \times 5 =$

$2 \times 5 =$ $7 \times 5 =$ $3 \times 5 =$ $8 \times 5 =$

$4 \times 5 =$ $9 \times 5 =$ $10 \times 5 =$

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
+\$ 8.00

\$ 271.12
+\$ 110.43

\$ 32.89
-\$ 11.75

\$ 21.00
-\$ 15.00

Let's count by 3's

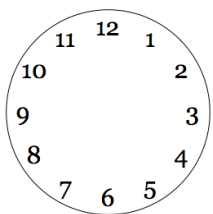
3, 6, 9, 12, 15, 18, 21, 24, 27, 30

Count backwards from 30 by 3's

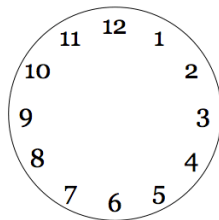
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Count by 3's starting at 3

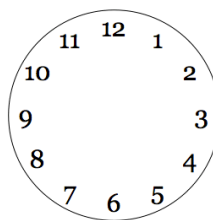
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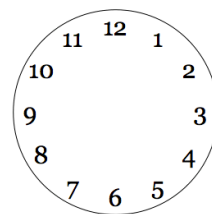
7:15



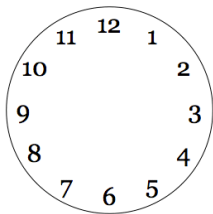
2:45



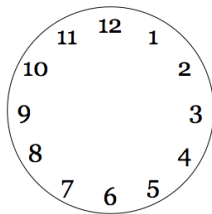
3:05



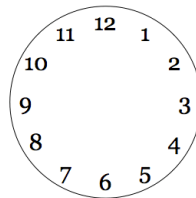
12:00



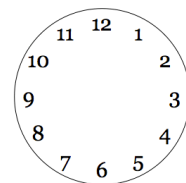
3:05



1:50



7:55



4:20

Count by 3's starting at 3

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

$2 \times 1 =$ $5 \times 2 =$ $0 \times 10 =$ $1 \times 9 =$ $2 \times 8 =$

$5 \times 3 =$ $8 \times 0 =$ $10 \times 2 =$ $7 \times 0 =$ $6 \times 1 =$

$10 \times 1 =$ $8 \times 1 =$ $6 \times 2 =$ $0 \times 5 =$ $4 \times 1 =$

$9 \times 2 =$ $5 \times 4 =$ $9 \times 0 =$ $3 \times 2 =$ $1 \times 0 =$

$5 \times 1 =$ $5 \times 7 =$ $2 \times 2 =$ $5 \times 5 =$ $0 \times 4 =$

$3 \times 9 =$ $2 \times 4 =$ $5 \times 6 =$ $3 \times 8 =$ $0 \times 2 =$

$2 \times 1 =$ $1 \times 1 =$ $1 \times 3 =$ $5 \times 2 =$ $0 \times 6 =$

$7 \times 1 =$ $7 \times 2 =$ $3 \times 0 =$ $5 \times 2 =$ $3 \times 3 =$

$3 \times 4 =$ $3 \times 6 =$ $3 \times 7 =$ $5 \times 9 =$ $5 \times 2 =$

Write the following:

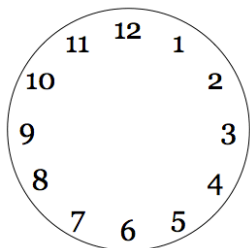
Two thousand, four hundred fifty-two: _____

One thousand, five hundred sixty-one: _____

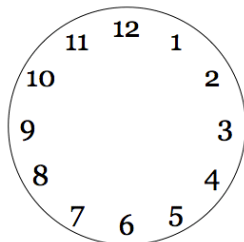
Nine thousand, two hundred forty-three: _____

$5000+500+50+5=$ _____

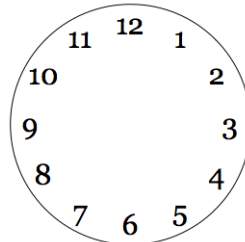
$3000+200+9=$ _____



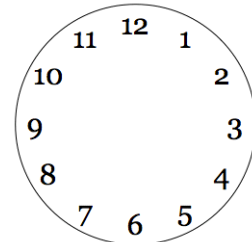
7:10



8:25



9:15



7:30

Draw me a line that is 6 inches long

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

Draw me a square with sides that are 1 in. long

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

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

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. What is 400, 3 tens and 2 ones
7. What is 4000 plus 200 plus 8 tens and 9 ones
8. Draw me a cone
9. Draw me a cylinder
10. Draw me a triangle
11. Draw me a rectangle
12. Draw me a square

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

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_____

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

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

$0 \times 4 =$

$1 \times 4 =$

$2 \times 4 =$

$3 \times 4 =$

$4 \times 4 =$

$5 \times 4 =$

$6 \times 4 =$

$7 \times 4 =$

$8 \times 4 =$

$9 \times 4 =$

$10 \times 4 =$

Add up the following food prices and total what they are:

Prices	total
\$1.25, \$2.10, \$.80	
\$.88, \$.10, \$.35	
\$2.25, \$3.00, \$.75	
\$23.78, \$12.87, \$.20	

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. what is 500 and 3 tens and no ones

$\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 10 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$
$\begin{array}{r} 8 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 2 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 10 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 10 \\ \hline \end{array}$
$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 0 \\ \hline \end{array}$
$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ \times 4 \\ \hline \end{array}$
$\begin{array}{r} 10 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$

Rewrite these numbers in order from least to greatest:

543	_____	6,432	_____
123	_____	7,765	_____
789	_____	4,876	_____
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
<u>+5</u>	<u>+5</u>	<u>+4</u>	<u>+3</u>

When you do not have the exact change to buy something at the store, the clerk must give you change. The first amount is what you give the clerk. The second amount is the cost of the item.

Amount I have	Cost of item	Change
\$3.75	\$3.54	
\$10.00	\$5.63	
\$0.75	\$.37	
\$15.00	\$12.75	
\$ 7.00	\$6.99	
\$ 7.50	\$ 6.13	

Ask 4 people, how many hours they watch TV. Record the information on the graph.

5
4
3
2
1

5				
4				
3				
2				
1				

NAMES

Which person watches the least TV? _____

Which person watches the most TV? _____

Did any people watch TV the same number of hours? _____

What is the greatest number of hours anyone watches? _____

About how many hours do you watch TV each day? _____

Grab a yardstick to measure.

How long is the biggest step you can take? _____

From start to finish, how much distance is covered when you do a somersault? _____

How wide is your driveway? _____

How far can you walk balancing a book on your head? _____

How high can you jump? (measure the distance on the wall) _____

How much distance is covered when you skip 5 times? _____

How far can you jump with your feet together? _____

How tall are you? _____

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

Subtraction regrouping more than once

$$\begin{array}{r} 532 \\ -378 \\ \hline \end{array} \qquad \begin{array}{r} 5678 \\ -4789 \\ \hline \end{array} \qquad \begin{array}{r} 7632 \\ -2785 \\ \hline \end{array} \qquad \begin{array}{r} 9722 \\ -4834 \\ \hline \end{array}$$

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? _____

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? _____

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

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

$$\begin{array}{r} 3214 \\ +5432 \\ \hline \end{array}$$

$$\begin{array}{r} 5427 \\ +8732 \\ \hline \end{array}$$

$$\begin{array}{r} 8732 \\ +9799 \\ \hline \end{array}$$

$$\begin{array}{r} 9210 \\ +2879 \\ \hline \end{array}$$

$$\begin{array}{r} 6586 \\ -4299 \\ \hline \end{array}$$

$$\begin{array}{r} 6532 \\ -3876 \\ \hline \end{array}$$

$$\begin{array}{r} 8760 \\ -5499 \\ \hline \end{array}$$

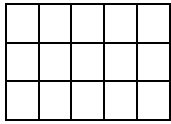
$$\begin{array}{r} 6542 \\ -5678 \\ \hline \end{array}$$

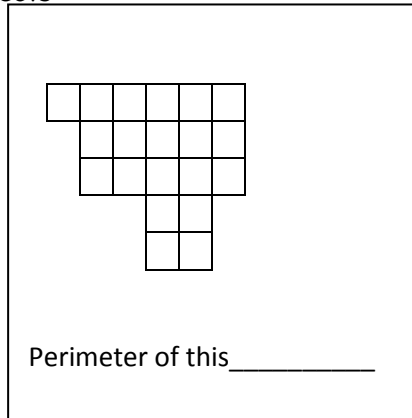
Mental math with Mom

1. How many sides does an octagon have?
2. How many sides does a pentagon have?
3. how many sides does a hexagon have?
4. What digit is in the thousands place in 34,533?
5. What digit is in the hundreds place in 32, 288?
6. What is 8 plus 2 plus 3 plus 1 take away 2?

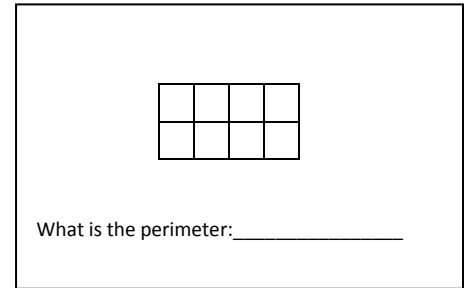
The perimeter of something is the distance around the object. In the below examples you can count all the squares on the outside to determine the perimeter.

Find the perimeter of the objects:

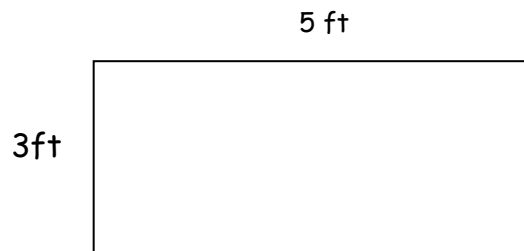




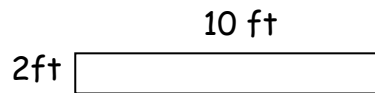
Perimeter of this _____



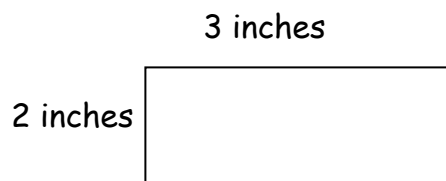
What is the perimeter: _____



What is the perimeter:



What is the perimeter:



What is the perimeter:

Do you know that there are 12 inches in one foot
There are 3 feet in one yard

_____ inches in one foot _____ feet 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 <u>X2</u>	1 <u>X10</u>	5 <u>X2</u>	1 <u>X8</u>	4 <u>X2</u>	3 <u>X4</u>	1 <u>X2</u>	2 <u>X2</u>	1 <u>X1</u>	5 <u>X4</u>
8 <u>X2</u>	6 <u>X0</u>	1 <u>X9</u>	3 <u>X4</u>	9 <u>X2</u>	5 <u>X5</u>	1 <u>X5</u>	7 <u>X0</u>	1 <u>X2</u>	6 <u>X2</u>
3 <u>X1</u>	1 <u>X6</u>	3 <u>X3</u>	3 <u>X0</u>	4 <u>X0</u>	3 <u>X6</u>	4 <u>X4</u>	3 <u>X8</u>	5 <u>X10</u>	3 <u>X10</u>
5 <u>X9</u>	5 <u>X4</u>	1 <u>X7</u>	7 <u>X2</u>	1 <u>X0</u>	5 <u>X2</u>	4 <u>X2</u>	4 <u>X8</u>	3 <u>X7</u>	8 <u>X0</u>
4 <u>X6</u>	5 <u>X7</u>	2 <u>X0</u>	5 <u>X6</u>	9 <u>X4</u>	0 <u>X0</u>	1 <u>X4</u>	1 <u>X3</u>	4 <u>X7</u>	10 <u>X4</u>
10 <u>X2</u>	5 <u>X0</u>	3 <u>X5</u>	5 <u>X3</u>	5 <u>X8</u>	5 <u>X1</u>	5 <u>X0</u>	0 <u>X4</u>	3 <u>X2</u>	3 <u>X9</u>

Multiplication part two

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

$$\begin{array}{r} 24 \\ \times 2 \\ \hline \end{array} \qquad \begin{array}{r} 63 \\ \times 3 \\ \hline \end{array} \qquad \begin{array}{r} 222 \\ \times 4 \\ \hline \end{array} \qquad \begin{array}{r} 132 \\ \times 2 \\ \hline \end{array} \qquad \begin{array}{r} 20 \\ \times 8 \\ \hline \end{array}$$

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

$$\begin{array}{r} | \\ 42 \\ \times 5 \\ \hline 210 \end{array}$$

Let's practice some more with carrying in multiplication.

$$\begin{array}{r} 325 \\ \times 4 \\ \hline \end{array} \qquad \begin{array}{r} 432 \\ \times 2 \\ \hline \end{array} \qquad \begin{array}{r} 624 \\ \times 3 \\ \hline \end{array} \qquad \begin{array}{r} 82 \\ \times 5 \\ \hline \end{array}$$

Count by 6's

--	--	--	--	--	--	--	--	--	--

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

$$4 + 4 + 2 + 2 = 12 \text{ inches}$$

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

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

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

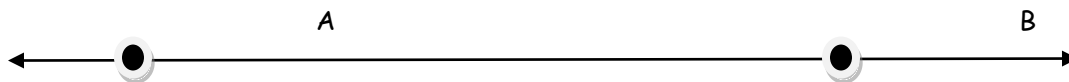
Cylinder? _____ cube? _____

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**

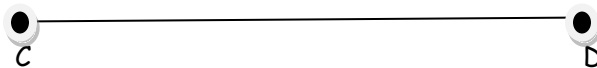
If you put two points on a piece of paper and then connect them, you will have a line. Here is a line going through points A and B



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



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



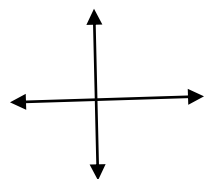
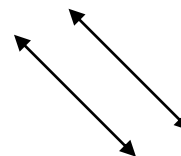
This is line segment CD We put the line over top of it to show it is a line segment.

Here are some more lines
Horizontal

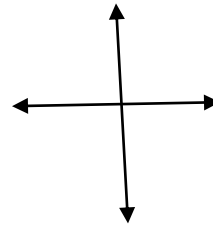
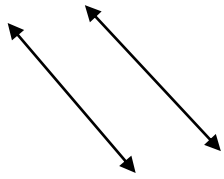
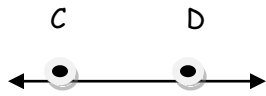
vertical

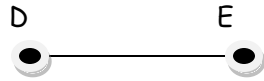
parallel lines will never connect.

These are perpendicular
They make an L



Label:





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

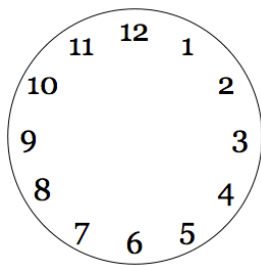
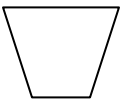
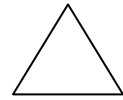
C

O

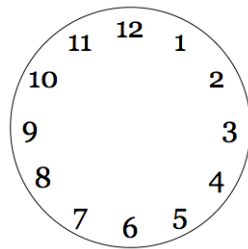
L

D

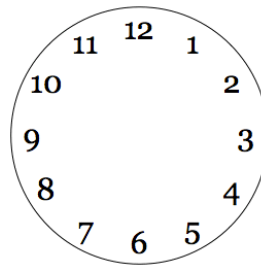
E



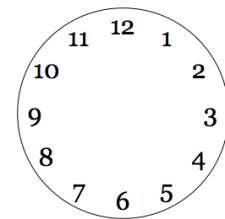
Half past 4



quarter till 9

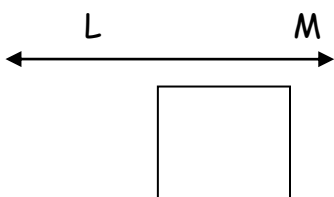
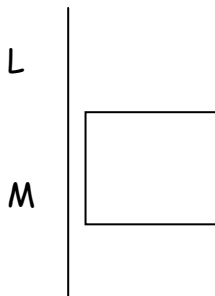
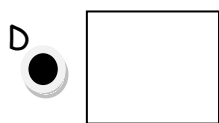
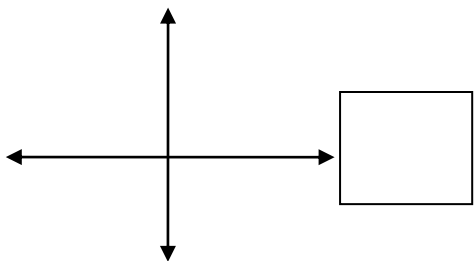
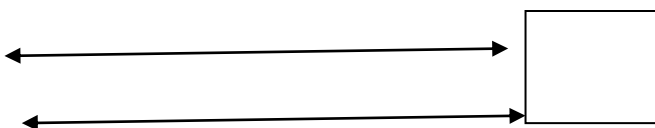
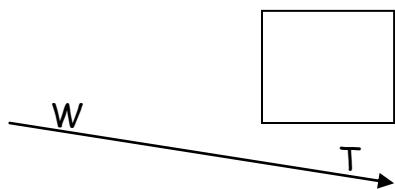
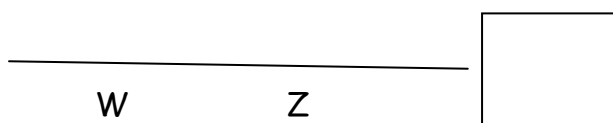
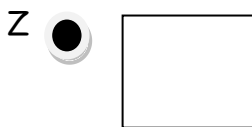
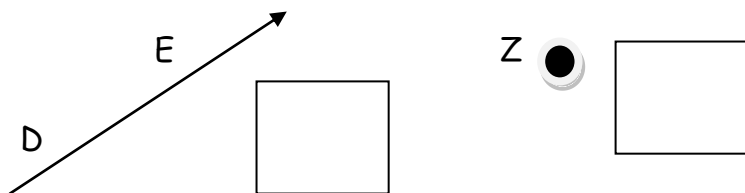
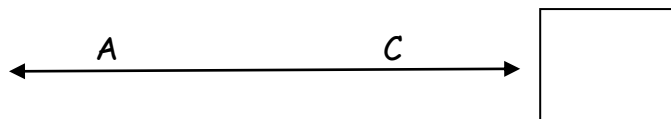


quarter after 2



1 o'clock

Write the correct letter in the box next to the figure.



- A. Line AC
- B. Line LM
- C. Line segment LM
- D. Line segment WZ
- E. Parallel lines
- F. Perpendicular lines
- G. Point D
- H. Point Z
- I. Ray DE
- J. Ray WZ

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.

Division is a way to find out how many times one number is contained in another number.

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

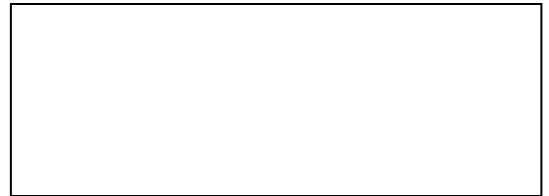
$$18 \div 3 = 6$$

A tree farm has 25 trees. There are 5 rows of trees. How many trees are in each row?

Lets draw the examples.

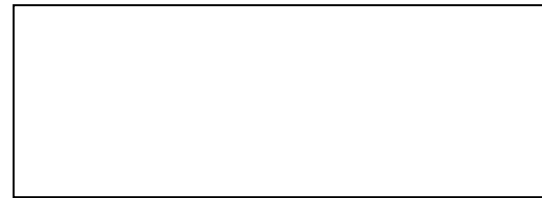
$10 \div 2 = \underline{\hspace{2cm}}$

draw 10 of something in groups of two rows




$6 \div 2 = \underline{\hspace{2cm}}$

Draw 6 of something in groups of two rows



$9 \div 3 = \underline{\hspace{2cm}}$

Draw 3 rows with 9 total circles



$15 \div 5 = \underline{\hspace{2cm}}$



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.

$12 \div 4 = 3$ 12 is the dividend, 4 is the divisor, and 3 is the quotient.

There is also another way to write a division problem:

$$\begin{array}{r} 3 \\ 4 \overline{)12} \end{array}$$

Let's learn the easy ones 2 as a divisor

$0 \div 2 = 0$

$2 \div 2 = 1$

$4 \div 2 = 2$

$6 \div 2 = 3$

$8 \div 2 = 4$

$10 \div 2 = 5$

$12 \div 2 = 6$

$14 \div 2 = 7$

$16 \div 2 = 8$

$18 \div 2 = 9$

Did you notice that it is the opposite of multiplication?

$\begin{array}{r} 3 \\ \underline{\times 2} \end{array}$	$\begin{array}{r} 1 \\ \underline{\times 10} \end{array}$	$\begin{array}{r} 5 \\ \underline{\times 2} \end{array}$	$\begin{array}{r} 1 \\ \underline{\times 8} \end{array}$	$\begin{array}{r} 4 \\ \underline{\times 2} \end{array}$	$\begin{array}{r} 3 \\ \underline{\times 4} \end{array}$	$\begin{array}{r} 1 \\ \underline{\times 2} \end{array}$	$\begin{array}{r} 2 \\ \underline{\times 2} \end{array}$	$\begin{array}{r} 1 \\ \underline{\times 1} \end{array}$	$\begin{array}{r} 5 \\ \underline{\times 4} \end{array}$
$\begin{array}{r} 8 \\ \underline{\times 2} \end{array}$	$\begin{array}{r} 6 \\ \underline{\times 0} \end{array}$	$\begin{array}{r} 1 \\ \underline{\times 9} \end{array}$	$\begin{array}{r} 3 \\ \underline{\times 4} \end{array}$	$\begin{array}{r} 9 \\ \underline{\times 2} \end{array}$	$\begin{array}{r} 5 \\ \underline{\times 5} \end{array}$	$\begin{array}{r} 1 \\ \underline{\times 5} \end{array}$	$\begin{array}{r} 7 \\ \underline{\times 0} \end{array}$	$\begin{array}{r} 1 \\ \underline{\times 2} \end{array}$	$\begin{array}{r} 6 \\ \underline{\times 2} \end{array}$
$\begin{array}{r} 3 \\ \underline{\times 1} \end{array}$	$\begin{array}{r} 1 \\ \underline{\times 6} \end{array}$	$\begin{array}{r} 3 \\ \underline{\times 3} \end{array}$	$\begin{array}{r} 3 \\ \underline{\times 0} \end{array}$	$\begin{array}{r} 4 \\ \underline{\times 0} \end{array}$	$\begin{array}{r} 3 \\ \underline{\times 6} \end{array}$	$\begin{array}{r} 4 \\ \underline{\times 4} \end{array}$	$\begin{array}{r} 3 \\ \underline{\times 8} \end{array}$	$\begin{array}{r} 5 \\ \underline{\times 10} \end{array}$	$\begin{array}{r} 3 \\ \underline{\times 10} \end{array}$
$\begin{array}{r} 5 \\ \underline{\times 9} \end{array}$	$\begin{array}{r} 5 \\ \underline{\times 4} \end{array}$	$\begin{array}{r} 1 \\ \underline{\times 7} \end{array}$	$\begin{array}{r} 7 \\ \underline{\times 2} \end{array}$	$\begin{array}{r} 1 \\ \underline{\times 0} \end{array}$	$\begin{array}{r} 5 \\ \underline{\times 2} \end{array}$	$\begin{array}{r} 4 \\ \underline{\times 2} \end{array}$	$\begin{array}{r} 4 \\ \underline{\times 8} \end{array}$	$\begin{array}{r} 3 \\ \underline{\times 7} \end{array}$	$\begin{array}{r} 8 \\ \underline{\times 0} \end{array}$
$\begin{array}{r} 4 \\ \underline{\times 6} \end{array}$	$\begin{array}{r} 5 \\ \underline{\times 7} \end{array}$	$\begin{array}{r} 2 \\ \underline{\times 0} \end{array}$	$\begin{array}{r} 5 \\ \underline{\times 6} \end{array}$	$\begin{array}{r} 9 \\ \underline{\times 4} \end{array}$	$\begin{array}{r} 0 \\ \underline{\times 0} \end{array}$	$\begin{array}{r} 1 \\ \underline{\times 4} \end{array}$	$\begin{array}{r} 1 \\ \underline{\times 3} \end{array}$	$\begin{array}{r} 4 \\ \underline{\times 7} \end{array}$	$\begin{array}{r} 10 \\ \underline{\times 4} \end{array}$
$\begin{array}{r} 10 \\ \underline{\times 2} \end{array}$	$\begin{array}{r} 5 \\ \underline{\times 0} \end{array}$	$\begin{array}{r} 3 \\ \underline{\times 5} \end{array}$	$\begin{array}{r} 5 \\ \underline{\times 3} \end{array}$	$\begin{array}{r} 5 \\ \underline{\times 8} \end{array}$	$\begin{array}{r} 5 \\ \underline{\times 1} \end{array}$	$\begin{array}{r} 5 \\ \underline{\times 0} \end{array}$	$\begin{array}{r} 0 \\ \underline{\times 4} \end{array}$	$\begin{array}{r} 3 \\ \underline{\times 2} \end{array}$	$\begin{array}{r} 3 \\ \underline{\times 9} \end{array}$

$$18 \div 2 = \underline{\hspace{2cm}} \quad 16 \div 2 = \underline{\hspace{2cm}} \quad 14 \div 2 = \underline{\hspace{2cm}}$$

$$12 \div 2 = \underline{\hspace{2cm}} \quad 4 \div 2 = \underline{\hspace{2cm}} \quad 2 \div 2 = \underline{\hspace{2cm}}$$

$$10 \div 2 = \underline{\hspace{2cm}} \quad 0 \div 2 = \underline{\hspace{2cm}} \quad 8 \div 2 = \underline{\hspace{2cm}}$$

$$6 \div 2 = \underline{\hspace{2cm}}$$

More division

Rules for dividing with a 0—zero

1. 0 divided by any number equals 0. $0 \div 5 = 0$ $8 \div 0 = 0$

Rules for dividing by 1

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

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

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

3241	5421	7000	3216
$\times 2$	$\times 3$	$\times 4$	$\times 3$
<hr/>			

Circle the EVEN numbers:

322

567

432

777

999

1000

543

Count by 6's

--	--	--	--	--	--	--	--	--	--

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

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

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 learn 7's

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

Fill in chart counting by 7's

--	--	--	--	--	--	--	--	--	--

Write the following in words;

70 _____ 80 _____

90 _____ 100 _____

Count by 7's:

--	--	--	--	--	--	--	--	--	--

2121	345	1671	291	111
X 2	x 8	x 6	x 2	x 5
<hr/>				

4387	6532	9876	6544
<u>+321</u>	<u>+7612</u>	<u>+8795</u>	<u>+1078</u>

6546
-543

9087
-1654

7001
-6897

6500
-4328

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

Story problems

1. Jady 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?

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
<u>-4321</u>	<u>-4211</u>	<u>-3897</u>	<u>-5678</u>	<u>-3478</u>

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

--	--	--	--	--	--	--	--	--	--

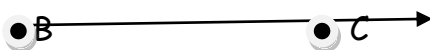
Draw me a line AB

Draw me parallel lines

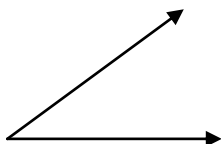
Draw me a line segment CD

Draw me a point D

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

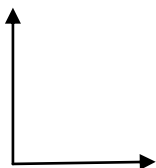


Angles are two rays that have the same end point.

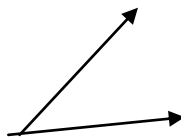


There are 3 kinds of angles

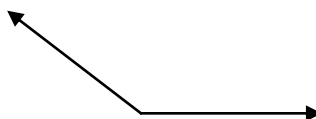
A right angle forms a square corner



An acute angle is less than a right



an obtuse is larger
than a right angle



1. I bought a ball for \$2.42, and a bat for \$1.75. 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?
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 $1\frac{1}{2}$ more inches in the coming months. How tall will my plants be?
5. My girls weight 23 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?

7. Brooklyn has read 232 books these past few years. If she adds to her collection 39 books. How many books will she have?

How would you measure the weight of a cat? Ruler scale

How would you measure flour for the cookies?

Ruler scale measuring cup

How would you measure how long your dresser is?

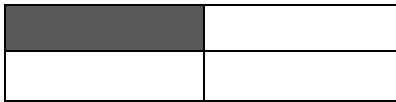
Measuring cup measuring tape scale

How would you measure how hot it is outside?

Thermometer ruler scale

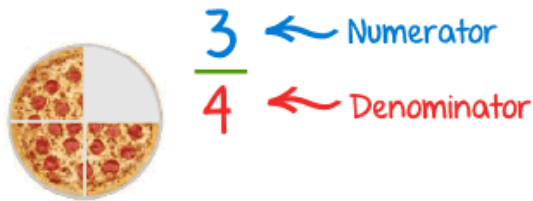
Fractions are part of a whole. The following illustrates this concept. 1 part of the figure is shaded.

We write $\frac{1}{4}$ or 1/4



Lets say you goto the _____ pizza place and order a pizza. If your pizza is cut into 4 slices and you did not eat the whole pizza, this means that you only ate parts of the whole.

Lets say you ate 3 out of those 4 slices.



When you add and subtract fractions, as long as the denominators are the same, you add the numerators. When you have $\frac{3}{4} + \frac{1}{4} =$ 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.

$$\frac{1}{5} + \frac{4}{5} =$$

$$\frac{5}{8} + \frac{6}{8} =$$

$$\frac{5}{9} + \frac{4}{9} =$$

Subtract the same way:

$$\frac{5}{7} - \frac{4}{7} =$$

$$\frac{13}{6} - \frac{5}{6} =$$

$$\frac{8}{3} - \frac{3}{3} =$$

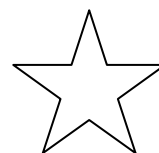
The line above measures

1. 1 in.
2. 4 cm.
3. 3 cm.
4. $2\frac{1}{2}$ in.

How many days are in May and June together?

1. 60
2. 59
3. 62
4. 61

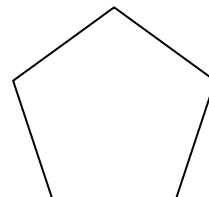
Draw a smaller shape than the star



How many days are in two non leap years?

1. 730
2. 732
3. 731
4. 728

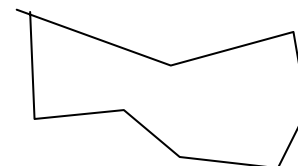
Draw a congruent shape



How many minutes are in 8 hours?

1. 120
2. 480
3. 560
4. 420

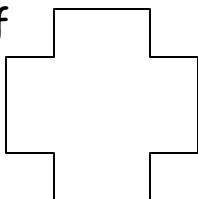
Draw a completely different shape



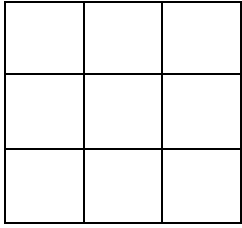
How many hours are in 1 week?

1. 120
2. 168
3. 144
4. 192

Draw a congruent shape of

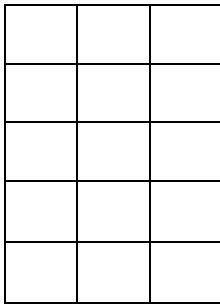


We have worked with the perimeter of an object. We just add up all the sides to find the distance around something. For the area of a square we take the length times the width= area. $L \times W = A$

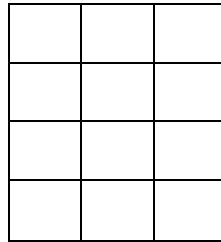


Here our square has a length of 3 and a width of 3. $3 \times 3 = 9$
Or you can add up all the squares to get the same answer.

What is the area of the following:



Area= _____



Area= _____

Length of rectangle was 4 inches and width was 2 inch. What is the area? _____

What is the perimeter? _____

Length of square is 3 inch. What is the area? _____ What is perimeter? _____

What is the place value of the digit 3 in the number 526, 310? _____

Which digit is in the hundreds place in the number 58, 216? _____

What is the place value of the digit 4 in the number 24,980? _____

Write the number four thousand, six hundred and one. _____

Write the number seventy-five thousand, two hundred, and twenty-two _____

Write the number that has 2 hundred-thousands, 7 ten-thousands, 7 thousands, 5 hundreds, 3 tens, and 9 ones.

Tony had 10 pancakes. Mary had 2 pancakes more than tony. Ashley had 3 more pancakes than Mary. How many pancakes did Ashley have?

Danny brought 5 candles. Lucy brought 2 fewer than Danny. Jimmy brought 4 more than Lucy. How many candles did Jimmy buy? _____

Sam read 15 books over the summer. Jenny read 4 fewer books than Sam and Rose read 7 more books than Jenny. How many books did Rose read? _____

Mary had 20 peanuts. Eric had 10 more peanuts than Mary. Jack had 5 fewer peanuts than Eric. How many peanuts did Jack have? _____

Mike is 17 years old. Tiffany is 3 years younger than Mike. Roy is 5 years older than Tiffany. How old is Roy? _____

Pipa went strawberry picking with her sister. Pipa picked 56 strawberries. Her sister picked 28. How many strawberries did they pick in all?

Kira owns 42 different hair bows. Her grandmother gave her 23 more for her birthday. How many hair bows does Kira have now? _____

John and his father went fishing. John caught 17 fish. His father caught 11. How many fish did they catch in all? _____

Dan gave his friend Chris 14 star stickers. He also gave his friend Jenna 20 star stickers. How many star stickers did Dan give in all to his friends? _____

12 in.=_____ft.

36 in.=_____yard

1 yard=_____ft.

check with mom on those answers before you keep going.

_____in. in 2 feet

_____in. in 2 yards

6 ft=_____yd

12 ft=_____yd

1 gallon=_____quarts

$\frac{1}{2}$ gallon=_____quarts

1 quart=_____pints

Which is longer-----a fork or 32 inches?_____

Which is shorter-----2 in. or a scarf?_____

Which is taller-----4 ft 2 in or a giraffe?_____

Which is shorter-----the height of a door or 100 feet?_____

Mr. brown brought 4 evenly divided boxes of muffins to class. There are 24 muffins altogether. How many muffins are in each box?

The pet store has 24 tropical fish. They keep 3 fish in each tank. How many fish tanks are there?_____

Ivan scooped 16 scoops of ice cream evenly into 8 cones. How many scoops of ice cream are on each one?_____

Sally divided her 14 spools of thread evenly into 2 boxes. How many spools of thread did she put in each box?_____

There are 50 toes in the swimming pool. Each person has 10 toes. How many people are in the pool?_____

Stephen has 20 plants. He keeps his plants in even rows of 4. How many plants are in each row?_____

Rounding to the nearest ten:

56_____ 31_____ 18_____ 43_____

12_____ 27_____ 35_____ 67_____

48_____ 61_____ 73_____ 52_____

Rounding to the nearest hundred

463_____ 654_____ 266_____ 615_____

234_____ 949_____ 883_____ 374_____

875_____ 327_____ 878_____ 101_____

Round to the nearest thousand

6536_____ 7437_____ 8764_____ 9008_____

6439_____ 1242_____ 2511_____ 2125_____

9432_____ 1121_____ 3522_____ 8444_____

Here's a little rhyme to help you remember how to round the numbers.

5 or more, raise the score

4 or less, let it rest

$3 \overline{) 9}$

$5 \overline{) 15}$

$2 \overline{) 8}$

$5 \overline{) 15}$

$4 \overline{) 20}$

$3 \overline{) 18}$

$3 \overline{) 27}$

$5 \overline{) 45}$

$2 \overline{) 18}$

$2 \overline{) 10}$

$6 \overline{) 12}$

$7 \overline{) 21}$

$25 \div 5 = \underline{\hspace{2cm}}$

$40 \div 5 = \underline{\hspace{2cm}}$

$30 \div 3 = \underline{\hspace{2cm}}$

$9 \div 1 = \underline{\hspace{2cm}}$

$$\begin{array}{r} 196 \\ +328 \\ \hline \end{array}$$

$$\begin{array}{r} 543 \\ +48 \\ \hline \end{array}$$

$$\begin{array}{r} 486 \\ +235 \\ \hline \end{array}$$

$$\begin{array}{r} 182 \\ +98 \\ \hline \end{array}$$

$$\begin{array}{r} 559 \\ +176 \\ \hline \end{array}$$

$$\begin{array}{r} 256 \\ +155 \\ \hline \end{array}$$

$$\begin{array}{r} 348 \\ +99 \\ \hline \end{array}$$

$$\begin{array}{r} 536 \\ +87 \\ \hline \end{array}$$

$$\begin{array}{r} 754 \\ +9 \\ \hline \end{array}$$

Book= \$4.00

pen= \$1.25

calculator= \$8.95

A calculator and a book

Two pens and a book

Three pens and a calculator

$5,400-100=$ _____

$2900-1000=$ _____

$7800+100=$ _____

$4300-200=$ _____

$200+300=$ _____

$400+500=$ _____

$800+200=$ _____

$400+500=$ _____

$50+50=$ _____

$40+30=$ _____

$200+300=$ _____

$150+150=$ _____

The sides of a rectangle are 4 inch by 2 inch. What is the perimeter? _____

The sides of a triangle are 3 in, 3, in, 2in. what is the perimeter? _____

The sides of the square are 5 inch . what is the perimeter? _____

Use your ruler and draw a line $4\frac{1}{2}$ inch long

Use your ruler and draw 5 cm (flip the ruler)

Write in order from smallest to biggest:
Yard, foot, inch

Circle the best answer

The mountain is 20,000 inches or feet high

The teacher weighs 140 pounds or ounces

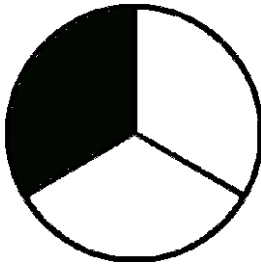
Jeremy bought 5 pounds or tons of potatoes

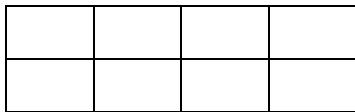
The room was 20 inches or feet wide

the pencil was 14 inches or centimeters long

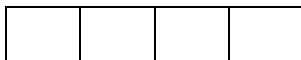
write the fraction



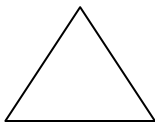




Shade in the above $\frac{3}{8}$



Shade in the above $\frac{3}{4}$



Shade in $\frac{1}{2}$ of the triangle

Which two numbers comes next?

10055, 10105, 10155, _____,

John wants a carpenter to build him a custom bookcase. He wants each shelf to hold 10 books. How many shelves does he need if he has 123 books?

12

14

13

15

What number is the same as two hundred, and forty-five?

245

255

542

452

Fill in the missing numbers?

941, 952, _____, 974, _____

Which number is greater than 865 but less than 941?

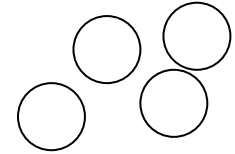
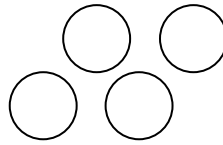
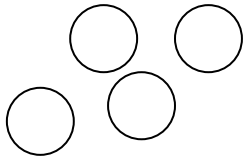
789

941

899

945

Which numerical expression matches the picture?



2×3

4×3

$12 - 4$

$4 + 3$

How many blocks of ten can you make with 240?

40

42

24

100

Tell which number is $<$ $>$

899

901

1425

1424

Which number is made up of 4 hundreds 8 tens and 4 ones?

4084

484

448

844

What is the name of the geometric figure that looks like an orange? _____

Which of the following shape could you probably use to describe the shape of your fingers?

Cube

Sphere

Cylinder

Cone

Which of the following shape could you probably use to describe the shape of the doors on your house?

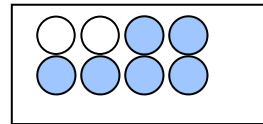
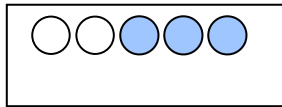
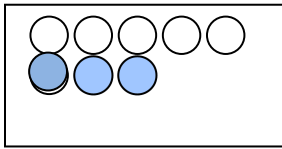
Cube

Sphere

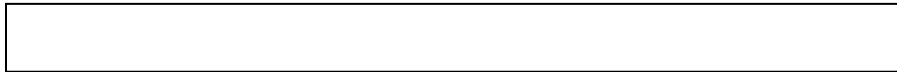
Cylinder

Rectangular prism

Which of the following shows $\frac{3}{5}$



Break the rectangle into 8 equal pieces, then shade $\frac{6}{8}$ of it



18. You go to a store with 3.20 dollars in your pocket. The menu is:

Hamburger.....\$1.60

Fruit salad.....\$2.40

Pizza slice.....\$1.80

Sprite.....\$1.10

Fruit juice.....\$1.90

Side of chicken wings.....\$2.50

Which two items can you buy with your 3.20 dollars?

- A. Hamburger and Pizza slice
- B. Side of chicken wings and sprite
- C. Pizza slice and fruit juice
- D. Hamburger and sprite

Which math problem means the same thing as $(10 + 5) + 7$? _____

- A.** $14 + 7$ **B.** $15 + 6$ **C.** 15×7 **D.** $10 + (12)$

Which of these is the same as 2 days

- A.** 2 weeks **B.** 24 hours **C.** 24 minutes **D.** 2880 minutes

You have 5 quarters, 3 dimes, 2 nickels, and 5 pennies in your pocket.

How much money do you have? _____

If you buy a candy for 65 cents. How much money are you left with? _____

- A.** \$1.65 and leftover of \$1.00
B. \$1.70 and leftover of \$1.00
C. \$1.70 and leftover of \$1.05
D. \$1.65 and leftover of \$1.05

What is the geometric name for a figure that looks like

the earth? _____

Indian tents like teepees? _____

a pipe that carry water? _____

Which math problem means the same thing as $20 + 8 = 28$?

- A.** $20 - 8 = 12$ **B.** $28 - 8 = 20$ **C.** $28 - 8 = 18$ **D.** $8 - 28 = 20$

How is eight thousand, seventy-six written in standard form?

- a) 8067
- b) 8076
- c) 8706
- d) 8760

Which of the following is the same as 8024?

- a) Eight hundred twenty-four
- b) Eight thousand twenty-four
- c) Eight thousand two hundred four
- d) Eighty thousand two hundred four

Which of the following is in order from greatest to least?

- a) 147, 163, 234, 275
- b) 275, 234, 163, 147
- c) 275, 163, 234, 147
- d) 163, 275, 234, 147

Which number has a 4 in the tens place and a 4 in the hundreds place?

- a) 6424
- b) 6244
- c) 4462
- d) 6442

Which digit is in the hundreds place in the number 3174?

- a) 1
- b) 3
- c) 4
- d) 7

What does the 3 represent in the number below?

3051

- a) 3
- b) 30
- c) 300
- d) 3000

Which of these is eight hundred seven?

- a) 8007
- b) 870
- c) 807
- d) 8070

Sophie has 527 seashells in her collection. Which of these equals 527?

- a) $5 + 2 + 7$
- b) $5 + 20 + 700$
- c) $500 + 20 + 7$
- d) $500 + 200 + 70$

Which number has the same digit in both the ones place and the hundreds place?

- a) 3308
- b) 4118
- c) 5977
- d) 6242

Which number is $4000 + 80 + 5$?

- a) 458
- b) 485
- c) 4085
- d) 4805

What is 1413 rounded to the nearest hundred?

- a) 1000
- b) 1400
- c) 1410
- d) 1500

Which number means $1000+600+8$?

- a) 168
- b) 1068
- c) 1608
- d) 1680

$$\frac{1}{4} + \frac{2}{4} =$$

- a) $\frac{6}{6}$
- b) $\frac{2}{6}$
- c) $\frac{2}{3}$
- d) $\frac{3}{4}$

A pie was divided into fifths. Emily ate $\frac{1}{5}$

Tony ate $\frac{2}{5}$ and Jenny ate $\frac{1}{5}$. How much of the pie was left?

- a) $\frac{4}{5}$
- b) $\frac{3}{5}$
- c) $\frac{2}{5}$
- d) $\frac{1}{5}$

George is making gelatin. He adds $\frac{2}{3}$ of a cup of hot water. Then he adds $\frac{1}{3}$ of a cup of cold water. How much water does he add altogether?

- a) $\frac{1}{3}$ of a cup of water
- b) $\frac{3}{6}$ of a cup of water
- c) 1 cup of water
- d) 3 cups of water

What is the difference?

$$\frac{5}{6} - \frac{4}{6} =$$

- a) $\frac{1}{6}$
- b) $\frac{1}{3}$
- c) $\frac{5}{6}$
- d) $\frac{1}{2}$

Steve compared the cost of the two RC cars. Car A cost \$31.47 and car B cost \$34.71. how much more does Car B cost than A?

- a) \$3.24
- b) \$3.26
- c) \$3.34
- d) \$3.36

Mia has \$5 to buy a truck that costs \$4.28. How much change should she get back?

- a) 70 cents
- b) 72 cents
- c) 75 cents
- d) 82 cents

Lisa rented 4 videotapes for \$4.80. how much did each tape cost to rent?

- a) \$1.20
- b) \$8.80
- c) \$12.00
- d) \$19.20

Four children earned \$50 from selling cookies. They decided to divide the money equally. How much money did each of the four children get?

- a) \$10
- b) \$12.50
- c) \$46.
- d) \$125

If each ball costs \$1.54, how much is 3 balls?

- a) \$4.62
- b) \$15.40
- c) \$31.54
- d) \$46.20

Look at the number sentence below. Which number will make the number sentence true?

$$67 + \underline{\quad\quad} = 121$$

- a) 54
- b) 56
- c) 64
- d) 68

Which number is 6 more than 1026?

- a) 1022
- b) 1032
- c) 1122
- d) 1132

$9000 - 3782 =$

- a) 5218
- b) 5328
- c) 6782
- d) 12,782

The town of Zirconia, has 5256 grown-ups and 2987 children. How many people live in Zirconia?

- a) 7133
- b) 8133
- c) 8243
- d) 8343

$5768 \times \underline{\quad} = 5768$

- a) 0
- b) 1
- c) 2
- d) 10

Which expression shows 3 less than 20?

- a) $20 + 3$
- b) $20 - 3$
- c) 20×3
- d) $20 \div 3$

Which statement shows twice as much as 8?

- a) $2 + 8$
- b) $2 - 8$
- c) 2×8
- d) $2 \div 8$

If $7 \times 11 \times 13 = 1001$, then $11 \times 7 \times 13$?

- a) 77
- b) 91
- c) 143
- d) 1001

Which of the following is used to find out how many inches are in 5 feet?

- a) 5×12
- b) $12 - 5$
- c) $5 + 12$
- d) $12 \div 5$

Brooklyn spent 300 minutes working on her history project. How many hours did she spend on it?

- a) 5 hours
- b) 6 hours
- c) 25 hours
- d) 220 hours

If oranges are on sale 3 for \$1.00, how much will 6 oranges cost?

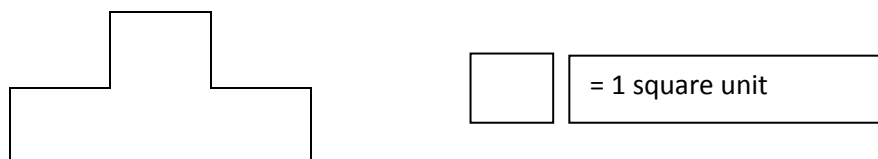
- a) \$2.00
- b) \$3.00
- c) \$6.00
- d) \$9.00

Which of the following is heavier than 1 pound?

- a) A pencil
- b) A backpack
- c) Piece of paper
- d) An eraser

What is the best unit to use to measure the length of a paper clip?

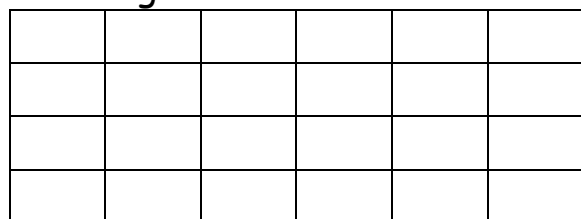
- a) Inches
- b) Feet
- c) Yards
- d) Miles



What is the area of the above?

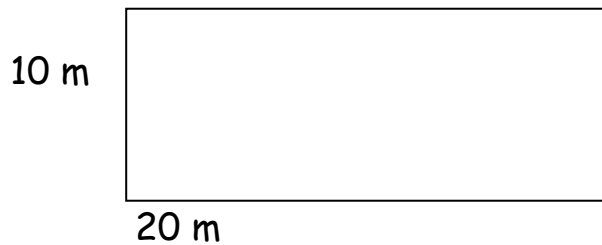
- a) 2 square units
- b) 3 square units
- c) 4 square units
- d) 6 square units

A rectangle is 6 inches long and 4 inches wide. What is the area of the rectangle?

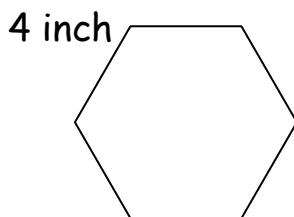


- a) 24 square inches
- b) 30 square inches
- c) 74 square inches
- d) 120 square inches

What is the perimeter of a room measuring 20 meters and 10 meters?



- a) 30 meters
- b) 50 meters
- c) 60 meters
- d) 200 meters



What is the perimeter?

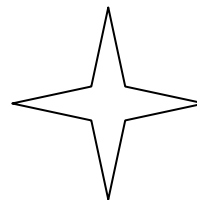
- a) 24 inches
- b) 20 inches
- c) 16 inches
- d) 10 inches

There are 1000 meters in 1 kilometer. How many meters are there in 5 kilometers?

- a) 1,000 meters
- b) 50 meters
- c) 200 meters
- d) 5,000 meters

The figure is what shape?

- a) Square
- b) Triangle
- c) Octagon
- d) Hexagon



How many right angles are in a rectangle?

- a) 1
- b) 2
- c) 3
- d) 4

Which figure always has 4 equal sides?

- a) Circle
- b) Hexagon
- c) Rectangle
- d) Square

One side of a rectangle is 8 feet long. Another side is 10 feet. What are the lengths of the other 2 sides?

- a) They could be any length
- b) 10 feet and 8 feet
- c) 10 feet and 10 feet
- d) 8 feet and 8 feet