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:

\[ + \quad \begin{array}{c}
\text{tens} \\
\text{ones}
\end{array} = 4 \text{ tens} + 3 \text{ ones} = 43 \]

\[ + \quad \begin{array}{c}
\text{tens} \\
\text{ones}
\end{array} = \begin{array}{c}
\text{tens} \\
\text{ones}
\end{array} \]

\[ + \quad \begin{array}{c}
\text{hundreds} \\
\text{tens} \\
\text{ones}
\end{array} = \begin{array}{c}
\text{hundreds} \\
\text{tens} \\
\text{ones}
\end{array} \]

\[ + \quad \begin{array}{c}
\text{tens} \\
\text{ones}
\end{array} = \begin{array}{c}
\text{tens} \\
\text{ones}
\end{array} \]

= \begin{array}{c}
\text{tens} \\
\text{ones}
\end{array} \]
Hundreds Chart

Practice by filling in the chart from 1-100

<p>| | | | | |</p>
<table>
<thead>
<tr>
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<td>100</td>
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</tbody>
</table>

When you have 12 of something you have a dozen. If you have 12 eggs you have a “dozen” eggs. Half of a dozen is 6.
Start on the left.

Circle the letter that is 2nd

Underline the letter that is 10\textsuperscript{th}.

Box in the letter that is 5\textsuperscript{th}

Put a triangle around the 4\textsuperscript{th} letter

Put a star around the 7\textsuperscript{th} letter

Put an X on the 3\textsuperscript{rd} letter

Put a line above the 1\textsuperscript{st} 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 _____32      450____217      22____17
17_____56      299____455      18____9
44_______99      100____100     66____666

What number comes after the following:

24_______      54___________      75___________
124_______      651___________     345___________
7_________      10___________      100___________

What number comes before

8_________      54___________      77___________
432_________     76___________      90___________
210_________     100___________     1___________
54___________    66___________      1000___________
 Hundreds Chart  
 Fill in the chart

<p>| | | | | | | | | | | |</p>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>
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 your teacher.

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, ______, ______, ______

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:

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
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<td>9</td>
<td>7</td>
<td>5</td>
<td>6</td>
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</tr>
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<td>3</td>
<td>2</td>
<td>5</td>
<td>4</td>
<td>7</td>
</tr>
<tr>
<td>+2</td>
<td>+4</td>
<td>+6</td>
<td>+3</td>
<td>+1</td>
</tr>
</tbody>
</table>

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______5+7
4+2______0+8
7+5______6+6

4-2______5-3
9-7______5-3
5-1______12-8
<table>
<thead>
<tr>
<th>Hundreds chart backwards</th>
<th>Fill in the chart</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>91</td>
</tr>
<tr>
<td>90</td>
<td>81</td>
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<tr>
<td>80</td>
<td>71</td>
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<tr>
<td>20</td>
<td>11</td>
</tr>
<tr>
<td>10</td>
<td>1</td>
</tr>
</tbody>
</table>
Two digit addition

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

\[
\begin{array}{c}
44 \\
+21 \\
\hline
5
\end{array}
\]

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

\[
\begin{array}{c}
44 \\
+21 \\
\hline
65
\end{array}
\]

Let's practice:

\[
\begin{array}{cccc}
22 & 55 & 65 & 87 \\
+53 & +84 & +11 & +42 \\
\end{array}
\]

\[
\begin{array}{cccc}
75 & 33 & 60 & 81 \\
+22 & +44 & +28 & +18 \\
\end{array}
\]

\[
\begin{array}{cccc}
65 & 32 & 70 & 20 \\
+22 & +77 & +27 & +45 \\
\end{array}
\]

\[
\begin{array}{cccc}
65 & 30 & 20 & 10 \\
+20 & +20 & +49 & +43 \\
\end{array}
\]
Write < > =

3+2____7-5  6+8____12-5

6+6____19-6  7+9____10-5

8+6____3+2  5+5____10-9

87____99  54____80

22____78  66____81

11____11  20____20

9____9  8____88

4____14  44____41
We find the difference when we subtract, and we begin in the ones place.

\[
\begin{array}{c}
65 \\
-23 \\
\hline
2
\end{array}
\]

Then we move to the tens place and subtract

\[
\begin{array}{c}
65 \\
-23 \\
\hline
42
\end{array}
\]

The difference is 4 tens and 2 ones.

Practice with the following:

\[
\begin{array}{cccc}
87 & 45 & 86 & 99 \\
-25 & -32 & -74 & -88 \\
\end{array}
\]

\[
\begin{array}{cccc}
86 & 89 & 55 & 87 \\
-75 & -71 & -45 & -44 \\
\end{array}
\]

\[
\begin{array}{cccc}
70 & 50 & 90 & 40 \\
-40 & -30 & -80 & -10 \\
\end{array}
\]

\[
\begin{array}{cccc}
87 & 53 & 78 & 97 \\
-20 & -10 & -70 & -21 \\
\end{array}
\]
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

County by 25’s

County by 5’s
Shapes

A rectangle has how many sides?______________
Draw me one

A square has how many sides?______________
Draw me one

A circle has how many sides?______________
Draw me one

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

![Triangles](image)

Here are some more geometrical shapes

![Geometrical Shapes](image)

List some things that are this shape
Cone_____________________________________
Sphere___________________________________
Cube_____________________________________
Cylinder_________________________________
Match up the place value each column

<table>
<thead>
<tr>
<th>Hundred thousands</th>
<th>Ten thousands</th>
<th>Thousands</th>
<th>Hundreds</th>
<th>Tens</th>
<th>One</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>4</td>
<td>8</td>
<td>5</td>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

62,453
- Two hundred thousand

7,641
- Three thousand

486,113
- Four hundred thousand

11,277
- Seven tens

813,463
- Five ones

594,483
- Six hundreds

254,089
- Nine ten thousands

27,115
- 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

20
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.

\[
\begin{array}{c}
47 \\
+18 \\
\hline
5
\end{array}
\quad
\begin{array}{c}
47 \\
+18 \\
\hline
65
\end{array}
\quad
\begin{array}{c}
47 \\
+18 \\
\hline
65
\end{array}
\]

Add the following:

\[
\begin{array}{c}
24 \\
+48 \\
\hline
72
\end{array}
\quad
\begin{array}{c}
36 \\
+76 \\
\hline
112
\end{array}
\quad
\begin{array}{c}
85 \\
+66 \\
\hline
151
\end{array}
\quad
\begin{array}{c}
13 \\
+57 \\
\hline
70
\end{array}
\quad
\begin{array}{c}
47 \\
+88 \\
\hline
135
\end{array}
\quad
\begin{array}{c}
65 \\
+99 \\
\hline
164
\end{array}
\quad
\begin{array}{c}
99 \\
+65 \\
\hline
164
\end{array}
\]
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

\[
\begin{array}{cccc}
29 & 81 & 52 & 162 \\
46 & 78 & 67 & 349 \\
+12 & +33 & +23 & \\
\end{array}
\]

\[
\begin{array}{cccc}
273 & 655 & 783 & 428 \\
+198 & +297 & +148 & +122 \\
\end{array}
\]

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 go to church on?____________________________

What day does the weekend begin on?________________________

When is your birthday?____________________________________

What is today’s 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:

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:

Write the following times

2:00
5:00
12:00
1:00

3:30
7:30
12:30
9:30

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

Count by 2’s these are called EVEN numbers

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

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_______9  
5+2______8

17______5+5  
30_____30

11______6+5  
5+5_____10

54______87  
98_____76

121______65  
765_____7

542  
+438  
675  
+545  
7  
8  
7
Remember when you add numbers together, the numbers you add are called the **addends**. The answer you get is called the **sum**.

\[
4 + 3 = 7 \\
\text{Addend} = \text{sum}
\]

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*

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<td>43</td>
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<td>17</td>
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<td>97</td>
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</table>

What number comes next:

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<td>25</td>
<td>29</td>
<td></td>
<td></td>
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</tbody>
</table>
Let's practice by writing the words out

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

Circle the ODD numbers

<table>
<thead>
<tr>
<th>4</th>
<th>6</th>
<th>7</th>
<th>3</th>
<th>9</th>
<th>2</th>
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</thead>
<tbody>
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<td>46</td>
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Write the words for 1-10

_____________________________  ___________________________
_____________________________  ___________________________
_____________________________  ___________________________
_____________________________  ___________________________
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Count by 5's

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Count by 25's

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<tr>
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</tbody>
</table>
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.

\[
\begin{array}{cccc}
76 & 54 & 95 & 53 \\
-43 & -11 & -73 & -22 \\
\end{array}
\]

\[
\begin{array}{cccc}
76 & 43 & 38 & 55 \\
-43 & -11 & -22 & -44 \\
\end{array}
\]

\[
\begin{array}{cccc}
54 & 42 & 88 & 90 \\
-22 & -11 & -66 & -80 \\
\end{array}
\]

Count by 10s

\[
\begin{array}{cccccccc}
\ & \ & \ & \ & \ & \ & \ & \ \\
\end{array}
\]

Count by 5s

\[
\begin{array}{cccccccc}
\ & \ & \ & \ & \ & \ & \ & \ \\
\end{array}
\]
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 names of the numbers for 10-100 counting by 10s

10___________________20______________________________

30___________________40______________________________

50___________________60______________________________

70___________________80______________________________

90___________________100______________________________

765
-432
+689
-543
+363
Write the words for the following

1st__________________________________________ 2nd________________________________________

3rd__________________________________________ 4th________________________________________

5th__________________________________________ 6th________________________________________

7th__________________________________________ 8th________________________________________

9th__________________________________________ 10th_______________________________________

643    732    999    567
-321   +558   -675   +585
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.

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

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

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

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

Find the missing number:
3 + ____ = 5
7+______=12
12-______=6
18-______=9
9+_____=17
2+_____=12
10-____=5
20-____=10

Do you remember your doubles?

2+2=___________
4+4=___________
6+6___________
8+8___________
1+1___________
3+3=____________
5+5____________
7+7____________
9+9____________

Two digit regroup addition

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

1
52
+28
80

Solve:

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<td>+29</td>
<td>+44</td>
<td>+19</td>
<td>+11</td>
<td>+67</td>
<td>+70</td>
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</table>

Adding three numbers

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<td>51</td>
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<td>31</td>
<td>62</td>
<td>17</td>
<td>53</td>
</tr>
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<td>+14</td>
<td>+67</td>
<td>+17</td>
<td>+56</td>
<td>+23</td>
<td>+27</td>
</tr>
</tbody>
</table>

Do you remember your doubles?

2+2=___________
3+3=____________

4+4=___________
5+5_____________

6+6_____________
7+7_____________

8+8_____________
9+9_____________

1+1_____________
Fill in the missing numbers:

13-______=5  
15-______=5  
9-______=6

20-______=10  
8-______=2  
6-______=2

Circle the Even numbers

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

Regroup subtraction two digit

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

\[
\begin{array}{c}
32 \\
-17
\end{array}
\]

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 times 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.

\[
\begin{array}{c}
32 \\
17
\end{array}
\]

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:

\[
\begin{array}{cccccccc}
25 & 43 & 21 & 42 & 84 & 63 & 21 \\
\end{array}
\]

\[
\begin{array}{cccccccc}
75 & 94 & 72 & 61 & 84 & 85 & 91 \\
\end{array}
\]
Remember when we said that addition is the opposite of subtraction? Well this comes in handy for checking your answers to make sure you are right.

\[
\begin{align*}
2 & \quad 32 \\
& \quad -17 \\
& \quad 15
\end{align*}
\]

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

\[
\begin{align*}
\frac{15}{+17} & \quad 32 \\
& \quad 15
\end{align*}
\]

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.

\[
\begin{align*}
43 & \quad 57 & \quad 21 \\
-17 & \quad -38 & \quad -11
\end{align*}
\]

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

Do you remember your doubles?

\[
\begin{align*}
2+2 &= \_\_\_\_\_\_\_ \\
3+3 &= \_\_\_\_\_\_\_ \\
4+4 &= \_\_\_\_\_\_\_ \\
5+5 &= \_\_\_\_\_\_\_ \\
6+6 &= \_\_\_\_\_\_\_ \\
7+7 &= \_\_\_\_\_\_\_ \\
8+8 &= \_\_\_\_\_\_\_ \\
9+9 &= \_\_\_\_\_\_\_ \\
1+1 &= \_\_\_\_\_\_\_
\end{align*}
\]
Addition with thousands and regrouping

\[
\begin{array}{c}
6873 \\
+5386 \\
\hline
7432
\end{array}
\quad
\begin{array}{c}
6549 \\
+6439 \\
\hline
7436
\end{array}
\quad
\begin{array}{c}
7432 \\
+4396 \\
\hline
7436
\end{array}
\]

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

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<td>+5329</td>
<td>+9061</td>
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<td>7543</td>
<td>9764</td>
<td>6443</td>
</tr>
<tr>
<td>-2108</td>
<td>-4357</td>
<td>-3587</td>
<td>-3765</td>
</tr>
</tbody>
</table>

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=___________ 7,754-2,098=___________

6+75+54+654=___________ 654-399=___________
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 then 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 then Monday? __________

We picked 87 flowers on Saturday, 24 on Sunday, and 11 on Monday. How many did we pick altogether?________________
Subtraction regrouping with zeros

Explain how you can't borrow from zero, move only from one place value to another.

\[
\begin{array}{cccc}
602 & 306 & 500 & 804 \\
-423 & -183 & -299 & -465 \\
\end{array}
\]

\[
\begin{array}{cccc}
_900 & 507 & 709 & 601 \\
-866 & -363 & -488 & -496 \\
\end{array}
\]

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 needs $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 days 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
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. 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
200
300
400
500
600
700
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?

100=hundreds 10=tens 1=ones

If I had 271

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<th>Tens</th>
<th>Ones</th>
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</thead>
<tbody>
<tr>
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<td>1</td>
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Fill in the chart

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<th>Tens</th>
<th>Ones</th>
<th>Number</th>
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<td>9</td>
<td></td>
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<td>0</td>
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<tr>
<td>8</td>
<td>4</td>
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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.

\[
\begin{array}{cccccc}
$2.41 & $1.87 & $8.97 & $2.81 & $1.98 & $4.44 \\
+ 1.58 & +3.88 & +9.13 & -1.49 & +1.11 & -2.36 \\
\end{array}
\]

3.99

See the decimal?

\[
\begin{array}{cccccc}
$42.30 & $21.88 & $19.99 & $10.01 \\
-11.21 & -10.44 & -9.87 & -7.00 \\
\end{array}
\]

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

________________________

Measuring time by using the calendar

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<th>Sun</th>
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<th>Tue</th>
<th>Wed</th>
<th>Thu</th>
<th>Fri</th>
<th>Sat</th>
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<td>30</td>
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How many days are in April? How many Wednesday are there in April? How many days are in April? How many Monday are there in April? 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. Jane 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 John? ______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 x 2 = 8

How many sunshine’s are there?_______________ or
There are ________sunshine’s 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 neighbors what is your answer?_________ so in 2 homes x ______elephants=_______elephants (we don’t have any elephants and neither do the neighbors so we have zero)

Lets memorize the zeros

9 x 0 = 0 8 x 0 = 0 7 x0 = 0 6 x 0= 0
4 x 0= 0 0 x 0 = 0 432 x 0 = 0
Fill in the answers:

7 x 0 = ______ 3 x 0 = _______ 22 x 0 = ______
5 x 0 = ______ 1 x 0 = ________ 0 x 0 = ______

Now let’s work on the ones.

Any number times 1 is that number.
8 x 1 = 8 6 x 1 = 6 4 x 1 = 4 543 x 1 = 543

Fill in the following:

7 x 1 = _______ 9 x 1 = _______ 3 x 1 = _______
0 x 1 = _______ 0 x 5 = _______ 10 x 1 = _______
3 x 1 = _______ 0 x 3 = _______ 8 x 1 = _______

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 x 3 = 6

How many clouds are there?
4 + 4 = __________
2 x 4 = __________

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

```
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>X</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>6</td>
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<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>
```

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.

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<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
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<tbody>
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<td>x0</td>
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<td>x0</td>
<td>x0</td>
</tr>
</tbody>
</table>
```

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.

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

$1 \times 5 =$  $0 \times 6 =$  $1 \times 8 =$  $3 \times 1 =$  $0 \times 0 =$
Let's do some mental math. Hand this to your teacher and let them 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
1. Lauren read 28 pages in her reading book. Yesterday she read 15. How many did she read altogether?

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

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

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

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

7. Jentzen has 76 stickers. He uses up 32 and then buys 24 more at the store. How many stickers does Jentzen 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 x 0 = 0    2 x 6 = 12
2 x 1 = 2    2 x 7 = 14
2 x 2 = 4    2 x 8 = 16
2 x 3 = 6    2 x 9 = 18
2 x 4 = 8    2 x 10 = 20

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

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

2 x 1 = 0 x 10 = 1 x 9 = 2 x 8 = 8 x 0 =

10 x 2 = 7 x 0 = 6 x 1 = 10 x 1 = 8 x 1 =

6 x 2 = 0 x 5 = 4 x 1 = 9 x 2 = 9 x 0 =

3 x 2 = 1 x 0 = 5 x 1 = 2 x 2 = 0 x 4 =

2 x 4 = 0 x 2 = 2 x 1 = 1 x 1 = 1 x 3 =

5 x 2 = 0 x 6 = 7 x 1 = 7 x 2 = 3 x 0 =

58
Count by 2’s

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

Do you remember your doubles?

2+2=___________ 3+3=____________

4+4=___________ 5+5____________

6+6____________ 7+7____________

8+8____________ 9+9____________

1+1____________

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

5x2=____ 2x2=____ 7x2=____ 2x6=____ 2x8=____

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

Count by 2’s
Your teacher 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.

<table>
<thead>
<tr>
<th>Thousands</th>
<th>Hundreds</th>
<th>Tens</th>
<th>ones</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>,</td>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

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=______________________________
<table>
<thead>
<tr>
<th>2 x 1=</th>
<th>0x10=</th>
<th>1x9=</th>
<th>2x8=</th>
<th>8x0=</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 x 2=</td>
<td>7x0=</td>
<td>6x1=</td>
<td>10x1=</td>
<td>8x1=</td>
</tr>
<tr>
<td>6x2=</td>
<td>0x5=</td>
<td>4x1=</td>
<td>9x2=</td>
<td>9x0=</td>
</tr>
<tr>
<td>3x2=</td>
<td>1x0=</td>
<td>5x1=</td>
<td>2x2=</td>
<td>0x4=</td>
</tr>
<tr>
<td>2x4=</td>
<td>0x2=</td>
<td>2x1=</td>
<td>1x1=</td>
<td>1x3=</td>
</tr>
<tr>
<td>5x2=</td>
<td>0x6=</td>
<td>7x1=</td>
<td>7x2=</td>
<td>3x0=</td>
</tr>
</tbody>
</table>

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

**Count by 5's**

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<table>
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<tr>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>

| 0x5= | 5x5= | 1x5= | 6x5= |
| 2x5= | 7x5= | 3x5= | 8x5= |
| 4x5= | 9x5= | 10x5= |
Write > or =

4,321____2,432   799____987   543____345
543_____543   3,289____4,378   7002____702
8907____6543   555____5555   1000____100

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

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

Count backwards from 30 by 3’s

Count by 3’s starting at 3

7:15   2:45   3:05   12:00

3:05   1:50   7:55   4:20
Count by 3’s starting at 3

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

<p>| | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>$2 \times 1$</td>
<td>$5 \times 2$</td>
<td>$0 \times 10$</td>
<td>$1 \times 9$</td>
<td>$2 \times 8$</td>
<td></td>
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<td>$5 \times 3$</td>
<td>$8 \times 0$</td>
<td>$10 \times 2$</td>
<td>$7 \times 0$</td>
<td>$6 \times 1$</td>
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<tr>
<td>$10 \times 1$</td>
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<td>$6 \times 2$</td>
<td>$0 \times 5$</td>
<td>$4 \times 1$</td>
<td></td>
<td></td>
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<td>$5 \times 4$</td>
<td>$9 \times 0$</td>
<td>$3 \times 2$</td>
<td>$1 \times 0$</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>$5 \times 1$</td>
<td>$5 \times 7$</td>
<td>$2 \times 2$</td>
<td>$5 \times 5$</td>
<td>$0 \times 4$</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>$3 \times 9$</td>
<td>$2 \times 4$</td>
<td>$5 \times 6$</td>
<td>$3 \times 8$</td>
<td>$0 \times 2$</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>$2 \times 1$</td>
<td>$1 \times 1$</td>
<td>$1 \times 3$</td>
<td>$5 \times 2$</td>
<td>$0 \times 6$</td>
<td></td>
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<td></td>
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<tr>
<td>$7 \times 1$</td>
<td>$7 \times 2$</td>
<td>$3 \times 0$</td>
<td>$5 \times 2$</td>
<td>$3 \times 3$</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>$3 \times 4$</td>
<td>$3 \times 6$</td>
<td>$3 \times 7$</td>
<td>$5 \times 9$</td>
<td>$5 \times 2$</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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=____________________________

3000+200+9=

Draw me a line that is 6 inches long

Draw me a line that is 2 ½ in long

Draw me a square with sides that are 1 in long
Place value to the ten and hundred thousands

<table>
<thead>
<tr>
<th>Hundred Thousands</th>
<th>Ten Thousands</th>
<th>Thousands</th>
<th>,</th>
<th>Hundreds</th>
<th>Tens</th>
<th>ones</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>6</td>
<td>5</td>
<td>,</td>
<td>4</td>
<td>3</td>
<td>1</td>
</tr>
</tbody>
</table>

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
Mental math—give to your teacher and have them 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
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_______
Round the following to the nearest tens

<table>
<thead>
<tr>
<th>75___</th>
<th>64___</th>
<th>87___</th>
<th>98___</th>
</tr>
</thead>
<tbody>
<tr>
<td>432___</td>
<td>321___</td>
<td>870___</td>
<td>876___</td>
</tr>
</tbody>
</table>

Round to the nearest hundred

<table>
<thead>
<tr>
<th>432___</th>
<th>654___</th>
<th>888___</th>
<th>543___</th>
</tr>
</thead>
<tbody>
<tr>
<td>732___</td>
<td>104___</td>
<td>805___</td>
<td>653___</td>
</tr>
</tbody>
</table>

Your teacher 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

<table>
<thead>
<tr>
<th>2,432</th>
<th>2,433</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>

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

Today we count by 4’s

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

0x4=
1x4=
2x4=
3x4=
4x4=
5x4=
6x4=
7x4=
8x4=
9x4=
10x4=

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

<table>
<thead>
<tr>
<th>Prices</th>
<th>total</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1.25, $2.10, $.80</td>
<td></td>
</tr>
<tr>
<td>$.88, $.10, $.35</td>
<td></td>
</tr>
<tr>
<td>$2.25, $3.00, $.75</td>
<td></td>
</tr>
<tr>
<td>$23.78, $12.87, $.20</td>
<td></td>
</tr>
</tbody>
</table>
Mental math time with your teacher:
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

<table>
<thead>
<tr>
<th>3</th>
<th>1</th>
<th>5</th>
<th>1</th>
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<td>X1</td>
<td>X0</td>
<td>X4</td>
<td>X2</td>
<td>X9</td>
</tr>
</tbody>
</table>
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

<p>| | | | | |</p>
<table>
<thead>
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<td>+4</td>
<td>+3</td>
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</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Amount I have</th>
<th>Cost of item</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>$3.75</td>
<td>$3.54</td>
<td></td>
</tr>
<tr>
<td>$10.00</td>
<td>$5.63</td>
<td></td>
</tr>
<tr>
<td>$0.75</td>
<td>$.37</td>
<td></td>
</tr>
<tr>
<td>$15.00</td>
<td>$12.75</td>
<td></td>
</tr>
<tr>
<td>$ 7.00</td>
<td>$6.99</td>
<td></td>
</tr>
<tr>
<td>$ 7.50</td>
<td>$ 6.13</td>
<td></td>
</tr>
</tbody>
</table>
Ask 4 people, how many hours they watch TV. Record the information on the graph.

<table>
<thead>
<tr>
<th>Number of Hours</th>
<th>5</th>
<th>4</th>
<th>3</th>
<th>2</th>
<th>1</th>
</tr>
</thead>
</table>

____        _____        _____        _____

**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.

\[
\begin{array}{cccc}
4321 & 5432 & 7642 & 9080 \\
+2100 & +5432 & +6541 & +8021 \\
\end{array}
\]

Fill in the following charts, counting by 10s

<table>
<thead>
<tr>
<th>652</th>
<th>662</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>

Fill in the following chart counting by 50’s

<table>
<thead>
<tr>
<th>250</th>
<th>300</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>

Fill in the following charts counting by hundreds

<table>
<thead>
<tr>
<th>323</th>
<th>423</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>3 \times 2</th>
<th>1 \times 10</th>
<th>5 \times 2</th>
<th>1 \times 8</th>
<th>4 \times 2</th>
<th>3 \times 4</th>
<th>1 \times 2</th>
<th>2 \times 2</th>
<th>1 \times 1</th>
<th>5 \times 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 \times 2</td>
<td>6 \times 0</td>
<td>1 \times 9</td>
<td>3 \times 4</td>
<td>9 \times 2</td>
<td>5 \times 5</td>
<td>1 \times 5</td>
<td>7 \times 0</td>
<td>1 \times 2</td>
<td>6 \times 2</td>
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<tr>
<td>3 \times 1</td>
<td>1 \times 6</td>
<td>3 \times 3</td>
<td>3 \times 0</td>
<td>4 \times 0</td>
<td>3 \times 6</td>
<td>4 \times 4</td>
<td>3 \times 8</td>
<td>5 \times 10</td>
<td>3 \times 10</td>
</tr>
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<td>1 \times 0</td>
<td>5 \times 2</td>
<td>4 \times 2</td>
<td>4 \times 8</td>
<td>3 \times 7</td>
<td>8 \times 0</td>
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<tr>
<td>4 \times 6</td>
<td>5 \times 7</td>
<td>2 \times 0</td>
<td>5 \times 6</td>
<td>9 \times 4</td>
<td>0 \times 0</td>
<td>1 \times 4</td>
<td>1 \times 3</td>
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<td>10 \times 4</td>
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<td>10 \times 2</td>
<td>5 \times 0</td>
<td>3 \times 5</td>
<td>5 \times 3</td>
<td>5 \times 8</td>
<td>5 \times 1</td>
<td>5 \times 0</td>
<td>0 \times 4</td>
<td>3 \times 2</td>
<td>3 \times 9</td>
</tr>
</tbody>
</table>
Subtraction regrouping more than once

\[
\begin{array}{cccc}
532 & 5678 & 7632 & 9722 \\
-378 & -4789 & -2785 & -4834 \\
\end{array}
\]

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?________________
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? ________________

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<td>X2</td>
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</tbody>
</table>
Mental math with your teacher

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?

\[
\begin{array}{cccccccccc}
3 & x2 & 1 & x10 & 5 & x2 & 1 & x8 & 4 & x2 \\
8 & x2 & 6 & x0 & 1 & x9 & 3 & x4 & 9 & x2 \\
3 & x1 & 1 & x6 & 3 & x3 & 3 & x0 & 4 & x0 \\
5 & x9 & 5 & x4 & 1 & x7 & 7 & x2 & 1 & x0 \\
4 & x6 & 5 & x7 & 2 & x0 & 5 & x6 & 9 & x4 \\
10 & x2 & 5 & x0 & 3 & x5 & 3 & x3 & 5 & x8 \\
\end{array}
\]

\[
\begin{array}{cccccccccc}
8 & x2 & 6 & x0 & 1 & x9 & 3 & x4 & 9 & x2 \\
3 & x1 & 1 & x6 & 3 & x3 & 3 & x0 & 4 & x0 \\
5 & x9 & 5 & x4 & 1 & x7 & 7 & x2 & 1 & x0 \\
4 & x6 & 5 & x7 & 2 & x0 & 5 & x6 & 9 & x4 \\
10 & x2 & 5 & x0 & 3 & x5 & 3 & x3 & 5 & x8 \\
\end{array}
\]

\[
\begin{array}{cccc}
3214 & 5427 & 8732 & 9210 \\
+5432 & +8732 & +9799 & +2879 \\
\end{array}
\]

\[
\begin{array}{cccc}
6586 & 6532 & 8760 & 6542 \\
-4299 & -3876 & -5499 & -5678 \\
\end{array}
\]
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:

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 triangle’s sides measure: 5 in, 4 in, and 3 in. What is the perimeter?__________

A rectangle’s sides measure 8 inch and 3 inch. What is the perimeter?__________

A rectangle’s 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!!

<table>
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</tr>
</tbody>
</table>
Multiplication part two

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

\[
\begin{array}{cccccc}
24 & 63 & 222 & 132 & 20 \\
\times 2 & \times 3 & \times 4 & \times 2 & \times 8
\end{array}
\]

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 your teacher.

\[
\begin{array}{c}
42 \\
\times 5 \\
210
\end{array}
\]

Let’s practice some more with carrying in multiplication.

\[
\begin{array}{cccccc}
325 & 432 & 624 & 82 \\
\times 4 & \times 2 & \times 3 & \times 5
\end{array}
\]

Count by 6’s

\[
\begin{array}{cccccccc}
\hline
\end{array}
\]
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?_________________________________cylinder?________________________________

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 segments 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.
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 △ □
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
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?

Let's draw the examples.

\[ 10 \div 2 = \underline{\text{__________}} \]

**draw 10 of something in groups of two rows**

\[ 6 \div 2 = \underline{\text{______________________}} \]

**Draw 6 of something in groups of two rows**

\[ 9 \div 3 = \underline{\text{_______________}} \]

**Draw 3 rows with 9 total circles**

\[ 15 \div 5 = \underline{\text{__________}} \]
Division words
The answer to a division problem is called the quotient. The number you are dividing is called the dividend. The number you are dividing is called the divisor.
12÷4=3  12 is the dividend, 4 is the divisor, and 3 is the quotient.

There is also another way to write a division problem:

3
4Γ12

Let's learn the easy ones 2 as a divisor
0÷2=0
2÷2=1
4÷2=2
6÷2=3
8÷2=4
10÷2=5
12÷2=6
14÷2=7
16÷2=8
18÷2=9

Did you notice that it is the opposite of multiplication?

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18÷2=__________ 16÷2=__________ 14÷2=_______
12÷2=__________  4÷2=__________  2÷2=_______
10÷2=__________  0÷2=__________  8÷2=________
6÷2=___________

More division

Rules for dividing with a 0—zero
1. 0 divided by any number equals 0.  
   0÷5=0  8÷0=0

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

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

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Circle the EVEN numbers:

322  567  432  777  999  1000  543

Count by 6's

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</table>
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

4387 6532 9876 6544
+321 +7612 +8795 +1078
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9087  7001  6500
-1654 -6897 -4328
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Story problems

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

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

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

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

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

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

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

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

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

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</table>
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 ½ 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 ½ in.

How many days are in May and June together?
1. 60
2. 59
3. 62
4. 61

How many days are in two non leap years?
1. 730
2. 732
3. 731
4. 728

How many minutes are in 8 hours?
1. 120
2. 480
3. 560
4. 420

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:

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Area = _____  

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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 your teacher on those answers before you keep going.

________in. in 2 feet

________in. in 2 yards

6 ft=________yd

12 ft=________yd

1 gallon=__________quarts

½ 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 $\underline{9}$
5 $\underline{15}$
2 $\underline{8}$

5 $\underline{15}$
4 $\underline{20}$
3 $\underline{18}$

3 $\underline{27}$
5 $\underline{45}$
2 $\underline{18}$

2 $\underline{10}$
6 $\underline{12}$
7 $\underline{21}$

25÷5=__________
40÷5=____________

30÷3=__________
9÷1=____________
196 + 328 = 543 + 48 = 486 + 235

182 + 98 = 559 + 176 = 256 + 155

348 + 99 = 536 + 87 = 754 + 9
<table>
<thead>
<tr>
<th>A calculator and a book</th>
<th>Two pens and a book</th>
<th>Three pens and a calculator</th>
</tr>
</thead>
<tbody>
<tr>
<td>5,400 - 100 = _________</td>
<td>2900 - 1000 = _______</td>
<td></td>
</tr>
<tr>
<td>7800 + 100 = _________</td>
<td>4300 - 200 = _______</td>
<td></td>
</tr>
<tr>
<td>200 + 300 = _________</td>
<td>400 + 500 = _______</td>
<td></td>
</tr>
<tr>
<td>800 + 200 = _________</td>
<td>400 + 500 = _______</td>
<td></td>
</tr>
<tr>
<td>50 + 50 = _________</td>
<td>40 + 30 = _________</td>
<td></td>
</tr>
<tr>
<td>200 + 300 = _________</td>
<td>150 + 150 = _________</td>
<td></td>
</tr>
</tbody>
</table>
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

\[ \frac{\text{shade in the above}}{3} \]

\[ \frac{\text{shade in the above}}{8} \]

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, \( \underline{\text{______}}, \underline{\text{______}} \)

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.\( \underline{\text{_______}} \), 974, \( \underline{\text{_______}} \)

Which number is greater than 865 but less than 941?
789
941
899
945
Which numerical expression matches the picture?

- $2 \times 3$
- $4 \times 3$
- $12 - 4$
- $4 + 3$

How many blocks of ten can you make with 240?

- 40
- 42
- 24
- 100

Tell which number is $<$ or $>$

- $899 \underline{\hspace{1cm}} 901$
- $1425 \underline{\hspace{1cm}} 1424$

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. \(15 \times 7\)  
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?

\[
\begin{array}{cc}
5 & 4 \\
6 & 6
\end{array}
\]

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 + _____=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 x ___ = 5768
   a) 0
   b) 1
   c) 2
   d) 10

Which expression shows 3 less than 20?
   a) 20 +3
   b) 20-3
   c) 20 x 3
   d) 20÷3
Which statement shows twice as much as 8?
   a) 2 +8
   b) 2-8
   c) 2 x 8
   d) 2÷8

If 7 x 11 x 13 = 1001, then 11 x 7 x 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 x 12
   b) 12 -5
   c) 5 +12
   d) 12 ÷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?

   1 square unit

   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?

10 m

20 m

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

What is the perimeter?

4 inch

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