1st Grade Math Review

1 Calculate:

$5 + 4 =$ $\qquad$ $9 + 2 =$ $\qquad$ $9 - 5 =$ $\qquad$ $11 - 9 =$

$7 + 4 =$ $\qquad$ $11 + 6 =$ $\qquad$ $11 - 7 =$ $\qquad$ $17 - 6 =$

2 Which numbers are covered on the number line?

16   17   18   ⚪   20   ☀   ☁   23

15   20   ☀   30   35   ☁   ⚪   50
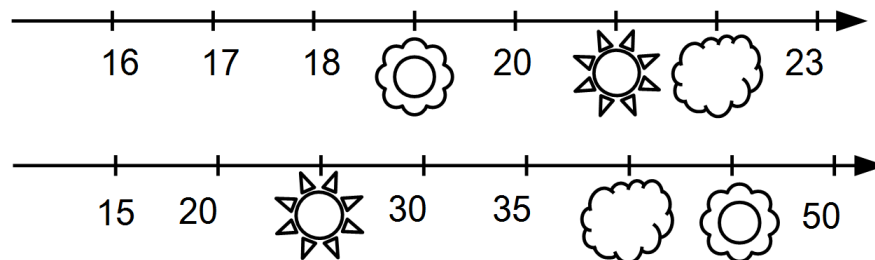
Can you write the missing numbers on the number line below? What do you have to know in order to do that?

⚪   ⬆   ☀   7   ◇   ☁   ⚪   ♡
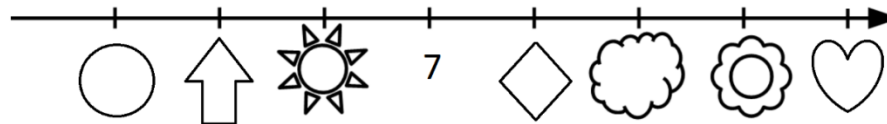
3 Look at the number line below where letters replaced the real numbers. Try to figure out how to make the given equalities correct if the distance between A and S is equal 1 unit.
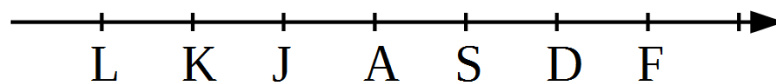
L   K   J   A   S   D   F

$K + \ldots = J$ $\qquad$ $A + \ldots = S$ $\qquad$ $D + \ldots = F$

$K + \ldots = A$ $\qquad$ $A + \ldots = D$ $\qquad$ $D - \ldots = A$

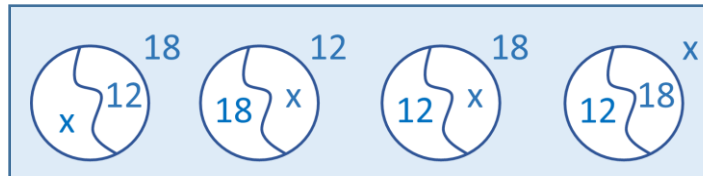$K - \ldots = L$ $\qquad$ $A - \ldots = K$ $\qquad$ $D - \ldots = S$

4 Find the right diagrams that correspond to the expressons:
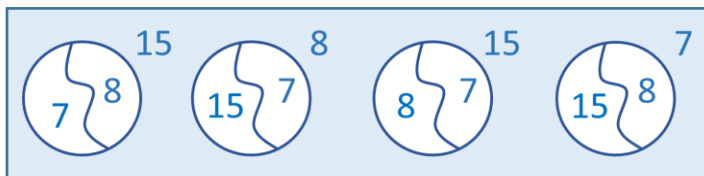
$$7 + 8 = 15 \qquad\qquad X + 12 = 18$$

5 Make four possible equalities using each trio of numbers and fill in the diagrams.

13, 3, 10 $\qquad\qquad\qquad\qquad$ x, 6, 27
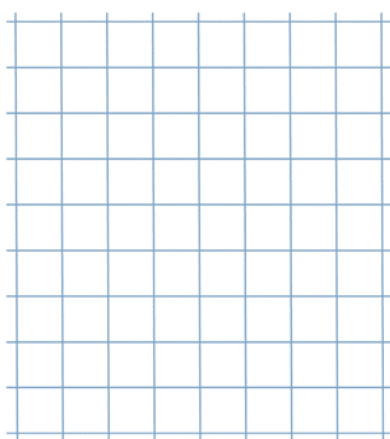
27
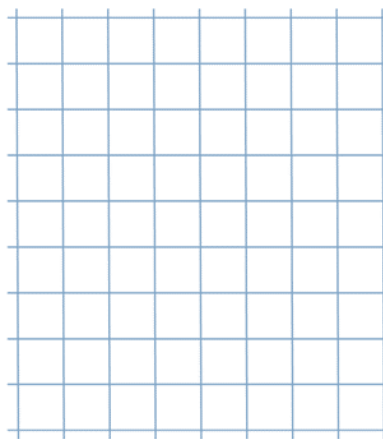
6 Fill the diagrams below according to the equations.
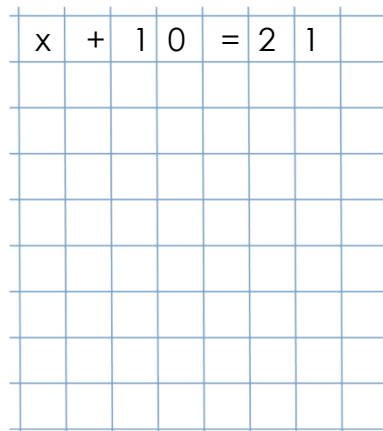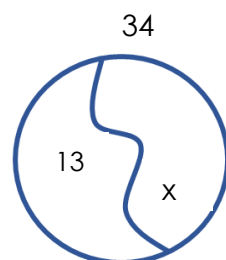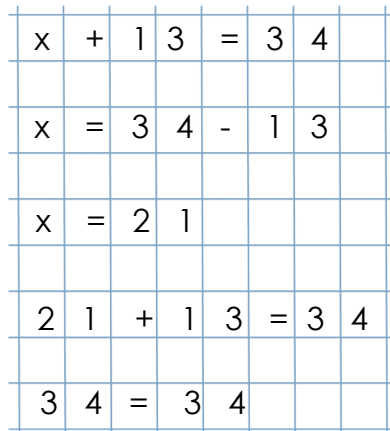
$$x + 12 = 37 \qquad 8 + x = 24 \qquad x - 6 = 15 \qquad 32 - x = 12$$

7 Using the example below, fill in the diagram for the equation, solve it and check your answer.

x	+	1	3	=	3	4
x	=	3	4	-	1	3
x	=	2	1

34

13

x

| 2 | 1 | + | 1 | 3 | = | 3 | 4 |
| 3 | 4 | = | 3 | 4 |

| x | + | 1 | 0 | = | 2 | 1 |

8 Please meet Little Joe, Foxy Tail, Jake the Mouse, and Pop Eye. They are four brothers and they are mice. They love to travel and they love math and enjoy studying it.

Today they are planning a new trip and exploring the map. They are wondering what points and lines are.

A. Little Joe read that points are so small that they have no size. So mice, as well as people, need to label them to know where they are. The four brothers tried to come up with different labels for points. Which one do you find the best?

A

B ○

C ·

D

E
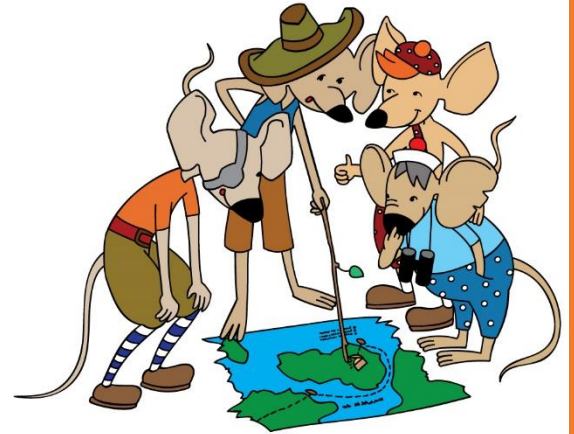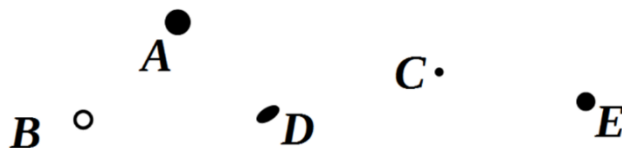
B. Trace curved lines with a blue pencil. Use a ruler and trace straight lines with a red pencil.

a

b

c

d

e

f
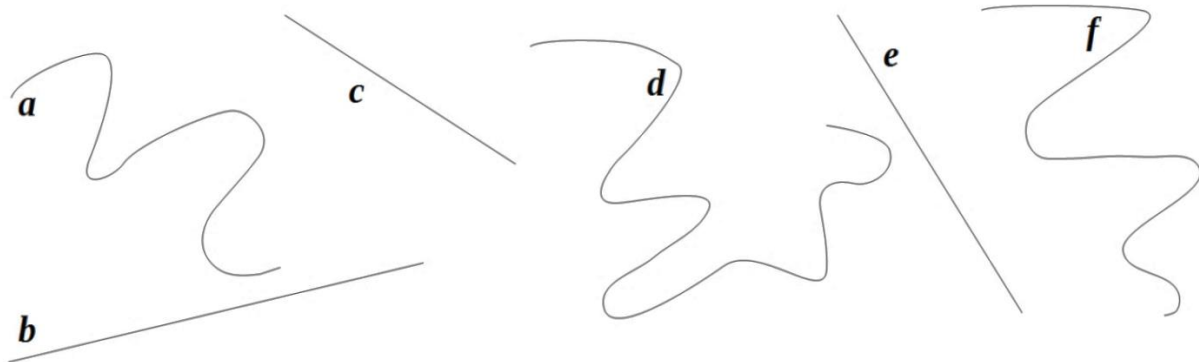
C. Look how the straight line **AB** is plotted. Remember that a straight line extends infinitely in both directions. Plot straight line **CD** yourself. Make sure it extends beyond points **C** and **D**. How many lines can you draw through 2 points? How many straight lines can you draw through 2 points?

B   30

A   20

10

0
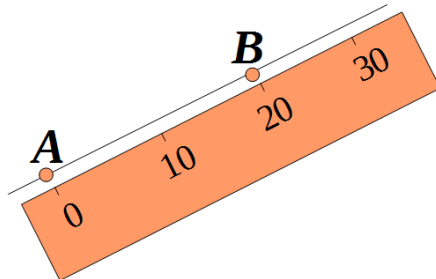
.**C**

.**D**

Is it always possible to draw a straight line through 3 points?

D. How many lines can you draw through 1 point?
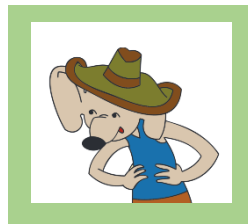How many straight lines can you draw through 1 point?

•

9 Little Joe, Foxy Tail, and Jack the Mouse are playing "hide-and-seek". LJ is "it". The mice can hide only in the houses. Help LJ find the brothers if we know that FT is not in the house with a round window. Where do FT and JTM hide?

Foxy Tail   Jack the Mouse