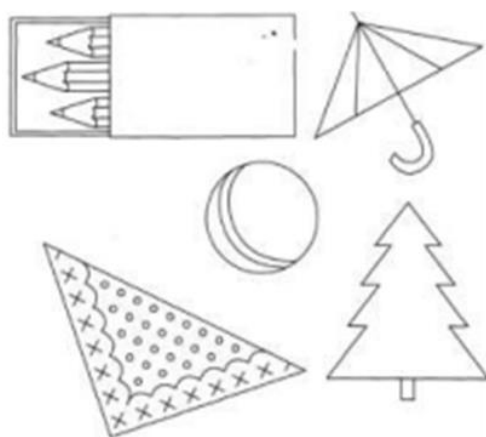


Math0

Homework 8

Problem 1

Color the objects that remind you of a triangle.



Problem 2

Guess according to what rules the shapes were grouped. Write the math sentences according to the grouping rules. Fill out the missing letters in the empty boxes.

(HINT: group by shape, color, size)

a) S=shape, T= triangle, R= rectangle

b) R=red, G=green, S=shape

c) B=big, M=small, S=shape

<p>a)</p> <p> $T + R = S$ $R + T = \square$ $S - T = \square$ $S - R = \square$ </p>	<p>b)</p> <p> $R + G = S$ $G + R = \square$ $S - R = \square$ $S - \square = \square$ </p>	<p>c)</p> <p> $B + M = S$ $M + \square = \square$ $S - B = \square$ $S - \square = \square$ </p>
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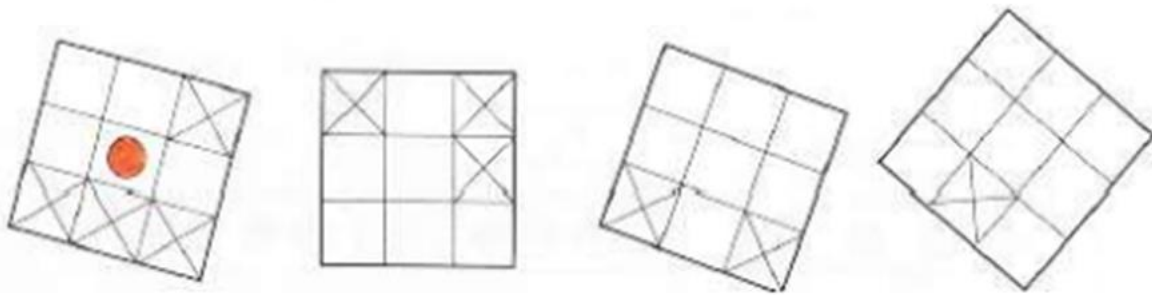
Problem 3

Count how many rectangles you can find here, draw them all.



Problem 4.

Make all the pictures look the same.



Problem 5.

Solve the problems using the number line (or ruler). It will be easier for your child if an adult can dictate the problem while a child will follow it with his/her finger placed on the number line or ruler.

$$8-4-2+3-1+2-3-1=$$

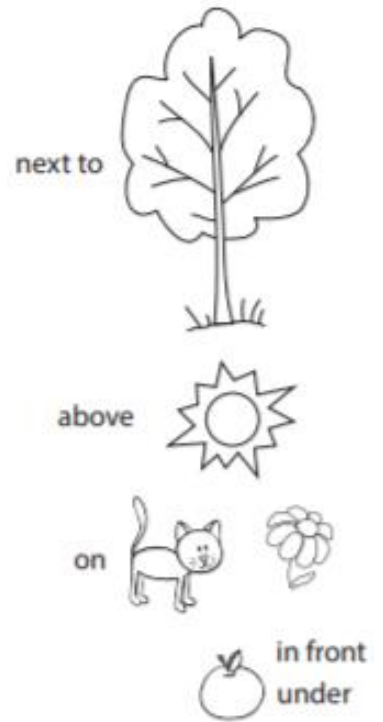
$$5-1+2-3-1+4-2-1=$$

$$7-5+3-3+1-2+4-3=$$



Problem 6.

Billy and Greta saw a big mansion with the tree next to it, cat on the top, sun above the house, apple under the tree, and a flower in front of the house. Finish the drawing to match the description. (You can draw, or cut and glue the objects, according to the preposition rule)



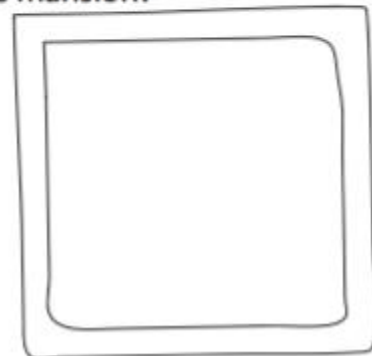
When kids get closer to the mansion they noticed a sign on a mailbox:

- There is an old lady with three cats on the 1st floor.
- A Lonely Princess and an Ice Cream Truck driver with his dog named Popsicle are on the 2nd floor.
- On the 3rd floor there are as many people as on the 1st and 2nd together
- There are 2 people **less** on the 4th floor than on the 3rd floor
- An Astronomer with his parrot are in the loft.

Can you help kids to count how many **people** live in the mansion?

Draw one of them if you want.

Loft _____	2nd _____
4th _____	1st _____
3rd _____	Total: _____



Problem 7.

The following story has many "hidden" math problems. Read it with your child, ask if he/she thinks there is a "word problem" in the text, underline it, and write math expressions to solve all the hidden problems on the last page.

Mary baked 10 pancakes for breakfast. Billy ate 4 pancakes, Greta ate 3 pancakes. Then David ate 2 pancakes. How many pancakes were left for Mary?

After breakfast Billy and Greta decided to play. Greta has exactly the same pyramid as Billy - help her to color it.

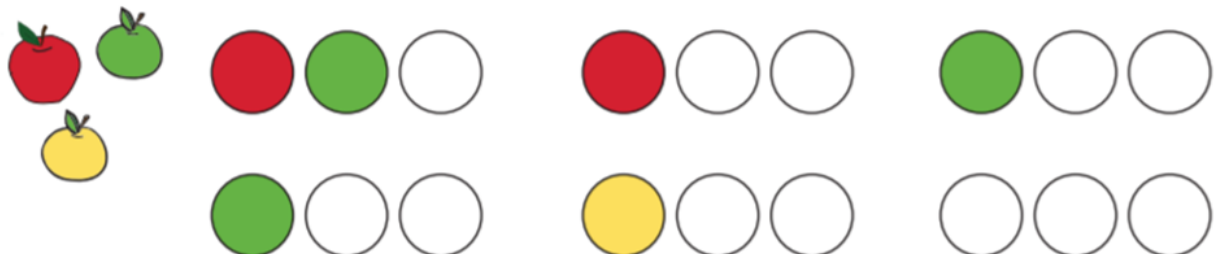


After the game kids cleaned the room. They put in the box 2 cars, 3 plush toys, 1 ball, and 2 pyramids. How many toys are in the box now?

Then kids decided to go outside. They saw four trees: the tallest tree was green, the shortest was yellow, and the other two were blue. Kids were walking and enjoying the nature. They noticed 6 blue jay birds on a tree. Then 2 birds fly away. How many birds still sitting on the branch?

- Billy! It is an apple tree, - said Greta.
- That's awesome! Let's get some apples and eat, - said Billy.
There were 9 apples on the tree, kids got 3 apples, how many apples were left on a tree?

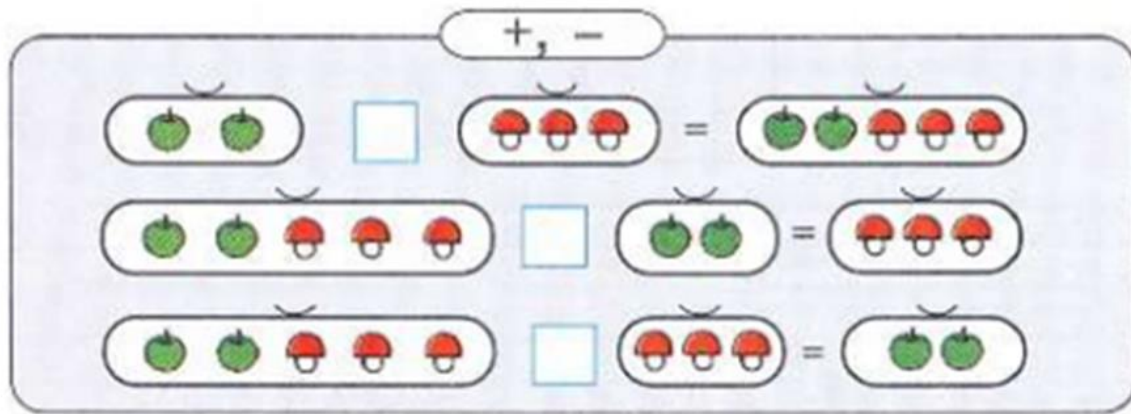
- Look, I can juggle, - said Billy throwing apples in the air.
- Wow, - said Greta, - That's impressive. By the way, how do you think, how many ways there are to place these three apples in a row?
Draw all different ways of placing apples in a row:



There were a lot of mushrooms under these trees. Kids collected 9 mushrooms in total, 1 under the first tree, 3 under the second tree, and 3 under the third tree. How many mushrooms were found under the last tree?

Problem 8.

Put “+” or “-” sign into the blue boxes to get a proper result.



Problem 9.

While eating apples, Greta noticed 6 snails on a grass. She got distracted for a second and now there are only 5 snails. How many snails crawled away?

Billy meanwhile was looking at some lady bugs. First there were only 4 ladybugs, then 5 more lady bugs fly to the leaf. How many ladybugs are there now?



- Billy! I totally forgot! - Greta looked confused.
- What happened? - asked Billy.
- Mom gave us sandwiches that we can eat, - said Greta.
- I like sandwiched! How do you think, how many pieces we can get out of each sandwich if we will cut each with three straight lines? - asked Billy.
- Let's try all the ways we can cut it! - happily said Greta.



Use this page to write all the hidden "word problem" solutions here

$$10 - 4 - 3 - 2 =$$

Problem 10.

Ask your child to describe the position of each toy at the top frame of the page.

Then ask him/her to draw the shapes inside the empty frame at the bottom (dictation is important for following directions and developing listening skills).

Draw a circle in the center of the frame. Then draw a square in the top right corner, a rectangle in the bottom left corner of the frame. Now draw a diamond in the top left corner and a triangle in the bottom right corner of the picture frame. You are amazing! Congratulations!

