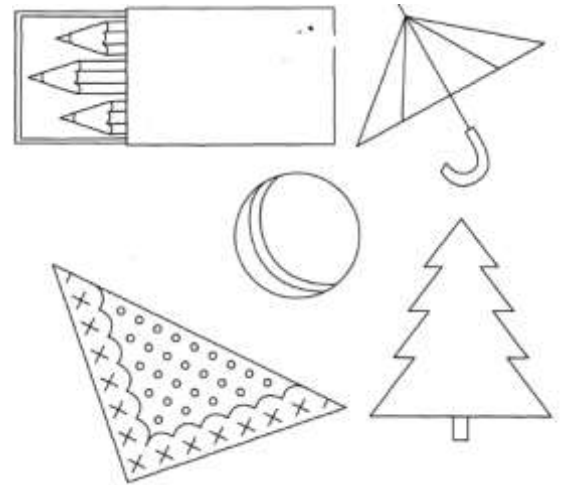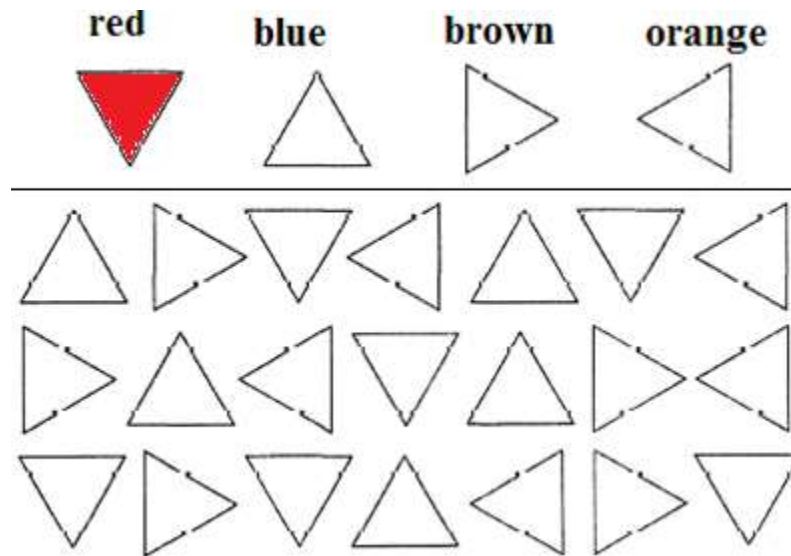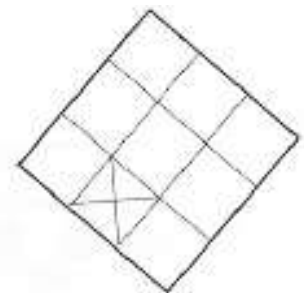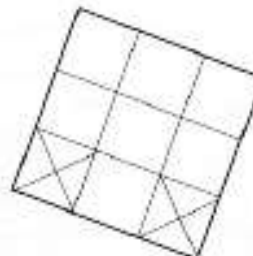# Homework 8

Problem 1
Color the objects that remind you of a triangle.

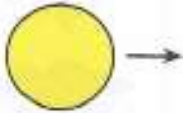Color the triangles according to the color scheme:

red   **blue**   **brown**   **orange**

Problem 2   Make all the pictures look like the first one.
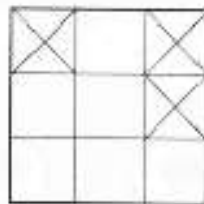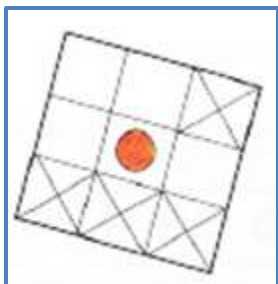
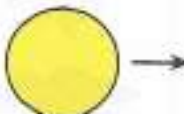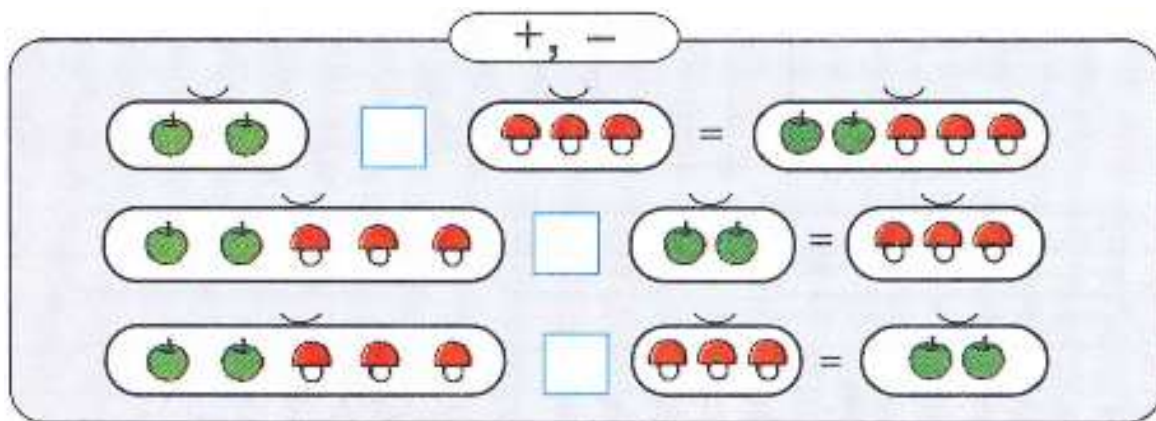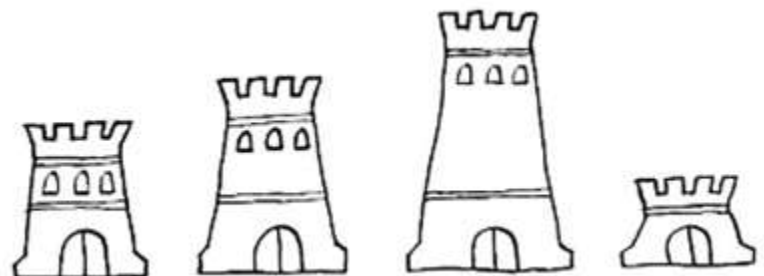## Problem 3

Change the shape:

Change the color:

Problem 4

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

Problem 5

- Color the tallest tower yellow.
- Color the shortest brown.
- Color the second tallest blue.
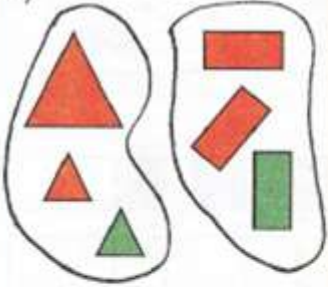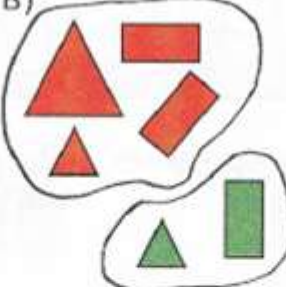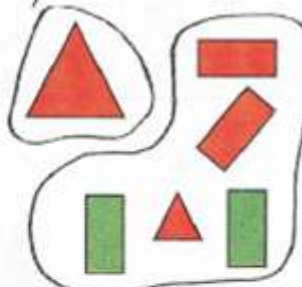- Color the second shortest red.

Problem 6   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.
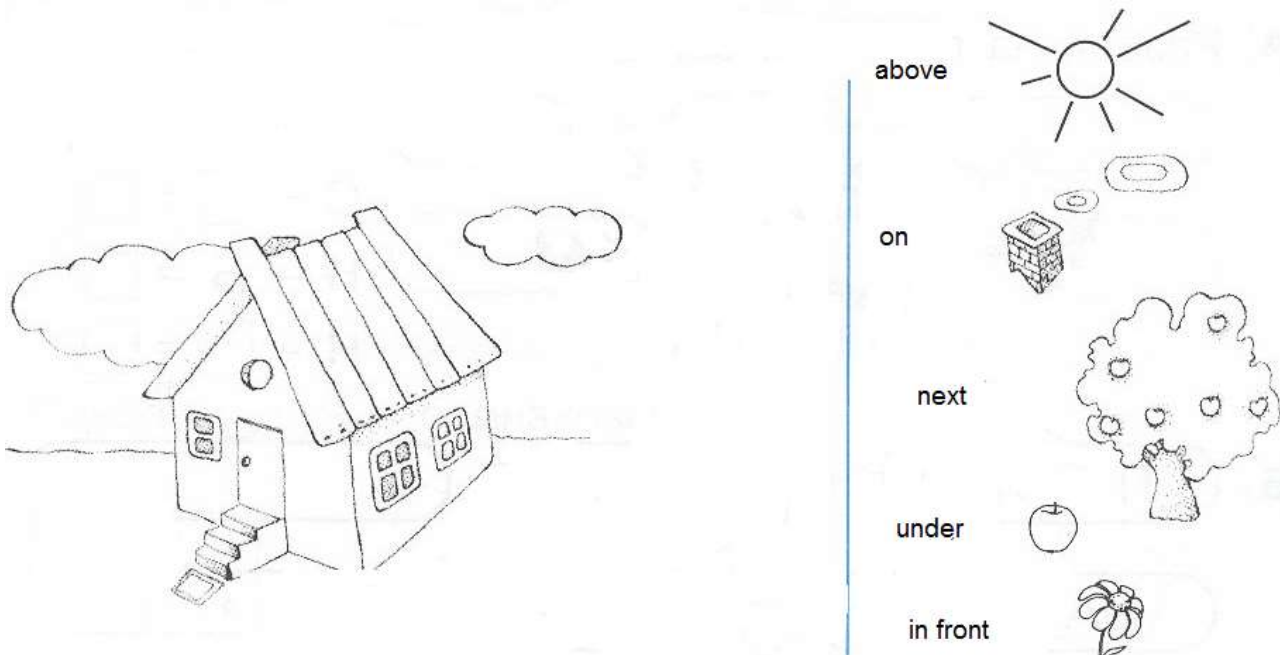 (HINT: group by shape, color, size)
a) S=shape, T= triangle, R= rectangle
в) R=red, G=green, S=shape
c) B=big, M=small, S=shape

a)

$T + R = S$
$R + T = \square$
$S - T = \square$
$S - R = \square$

в)

$R + G = S$
$G + R = \square$
$S - R = \square$
$S - \square = \square$

c)

$B + M = S$
$M + \square = \square$
$S - B = \square$
$S - \square = \square$

Problem 7   Draw the objects according to the preposition rule.

above

on

next

under

in front

Problem 8

There is a haunted mansion by the ocean. No one know who lives there. The only thing we know is that all of the rooms are occupied and all of the rooms have only one window.

Can you try to draw a portrait of one of the tenants there knowing that:

There is an old lady living with three cats on the 1st floor.

There is a lonely Princess and an Ice cream truck driver with his dog named Popsicle living on the 2nd floor.

There are as many tenants living on the 3rd floor as there are on the 1st and 2nd floor altogether.

There are 2 people less living on the 4th floor than on the 3rd one.

There is an Astronomer with his parrot living on the loft of this mansion.

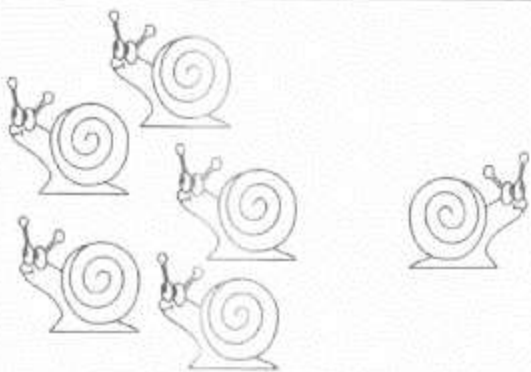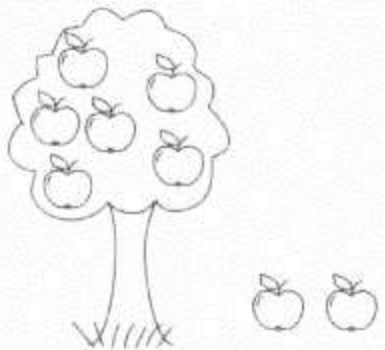**Can you try to guess how many people are living there? _____**

Loft_____

4th _____
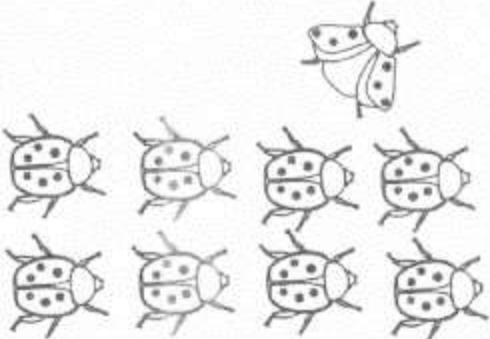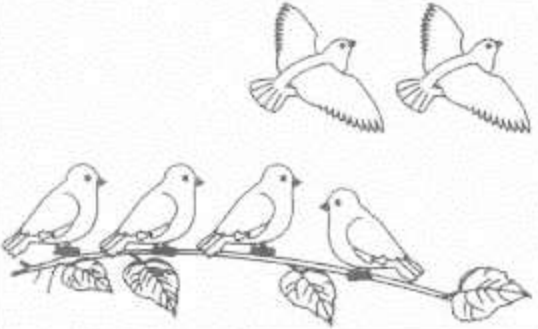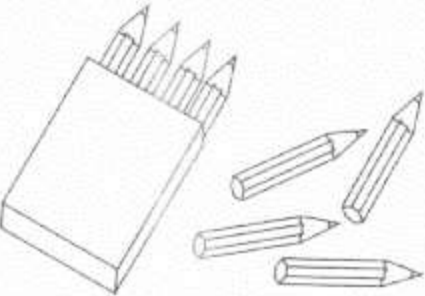
3rd _____

2nd _____

1st _____

Problem 9 Solve the subtraction problems and write your answers inside the squares.

| 7 | – | 3 | = | |

| 6 | – | 1 | = | |

| 8 | – | 2 | = | |

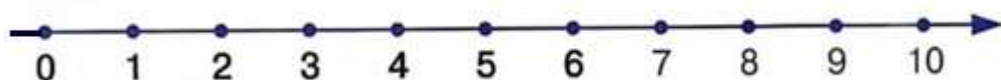| 9 | – | 1 | = | |

| 6 | – | 2 | = | |

| 8 | – | 4 | = | |

Problem 10 In how many ways can you divide a sheet of paper by using only 3 straight lines? Draw your answers below.
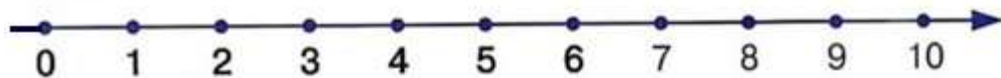
Problem 11

Solve the problems using the number line. 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.
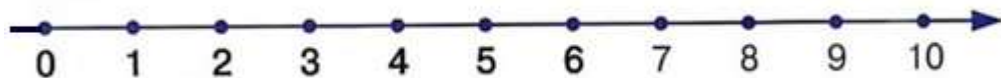
8-4-2+3-1+2-3-1=

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

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

Problem 12 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!