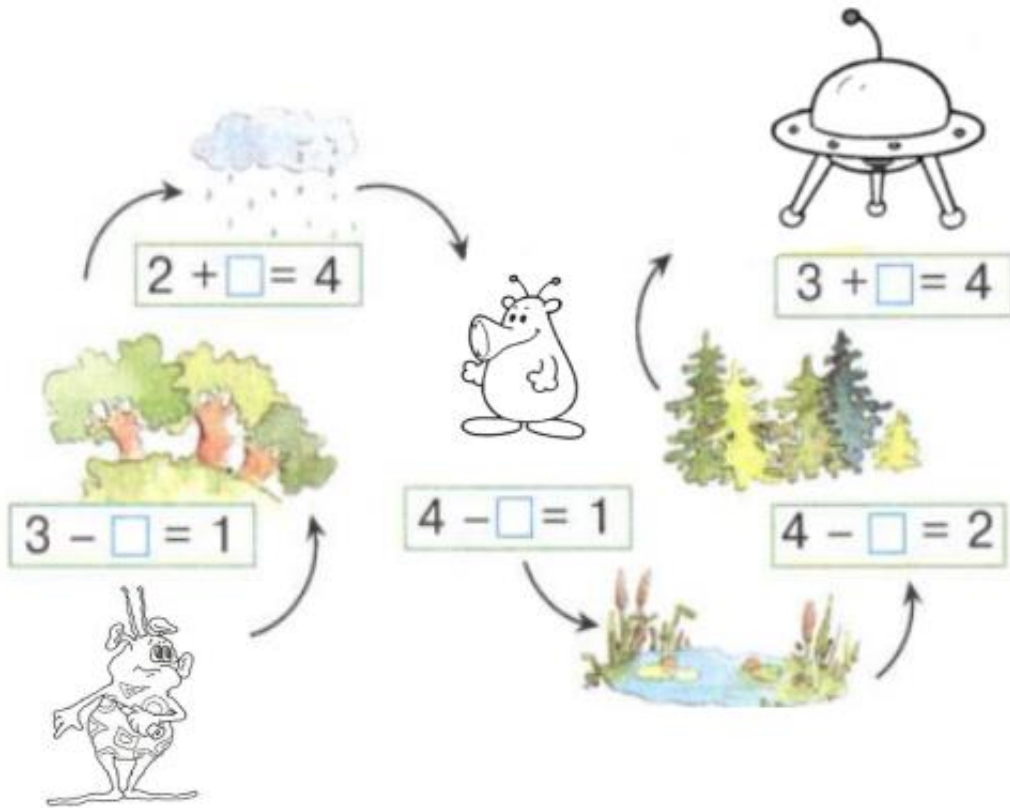
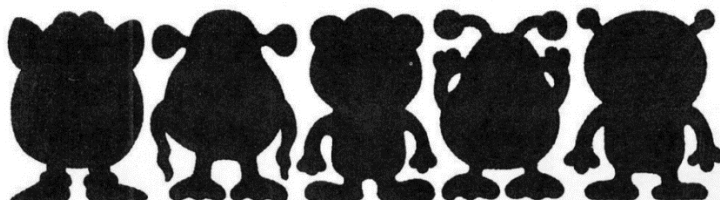
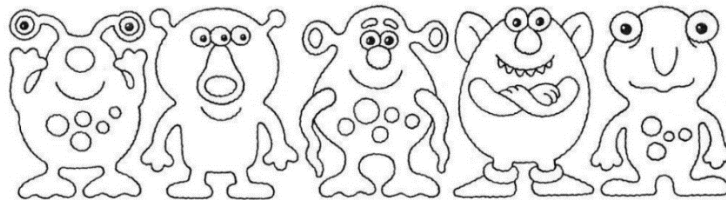


Homework # 14

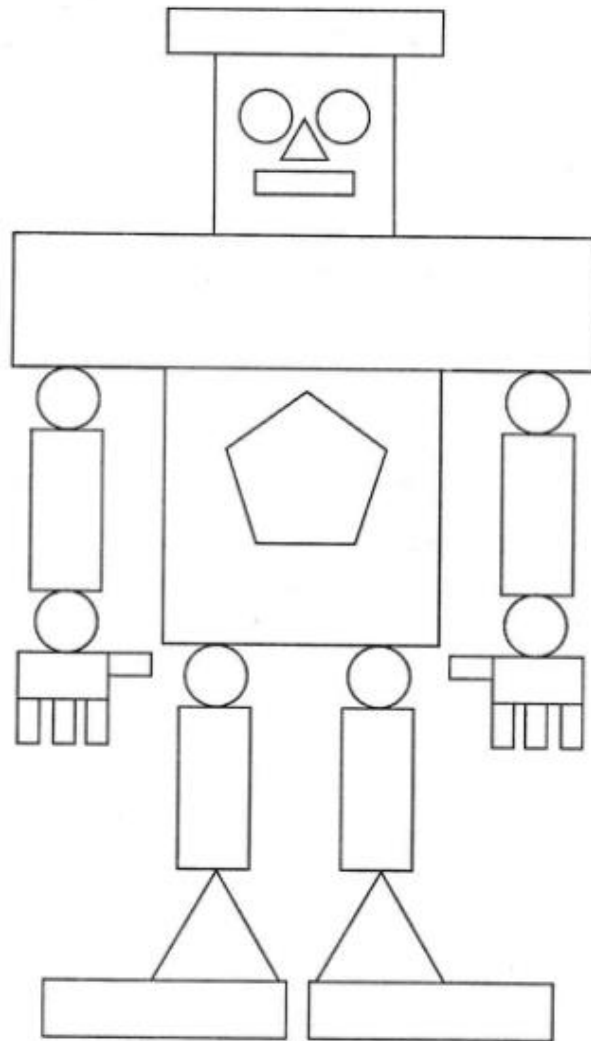
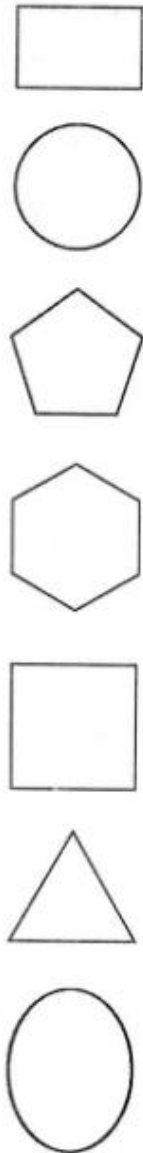
Greta and Bill met two friendly aliens, Goody and Woody. Aliens lost their starship somewhere in the forest and asked for help to find it.



Thank you, Great and Bill, said friendly aliens who were waiting for their friends to come back. Find matching shades of each alien to meet the entire alien team.



"We have a problem -one of our robots on a ship is broken", said "Goody." Please help us to count how many parts do we need to replace. Each part is a shape. Count how many parts are of each shape and write the answer inside the shapes on the left side."



"We also teach robot to talk. Can you show robot how the words are being made up?", said Woody.

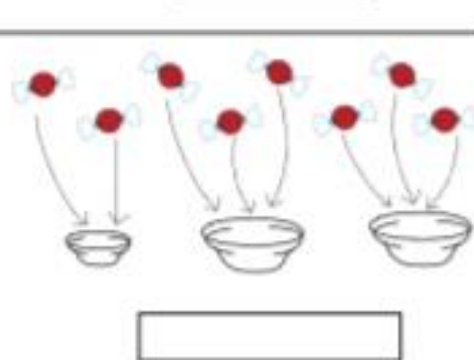
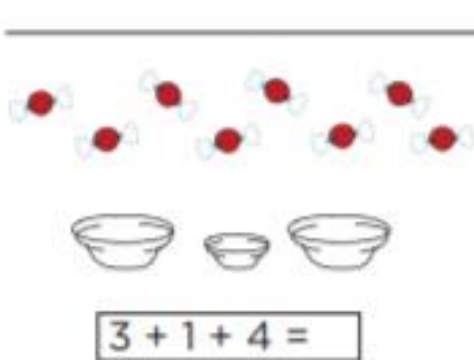
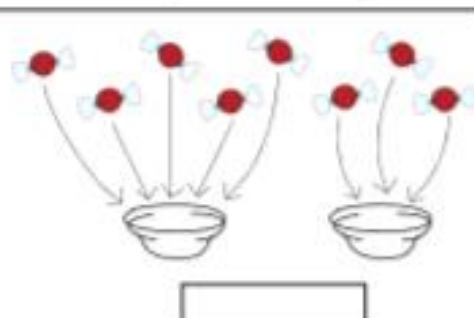
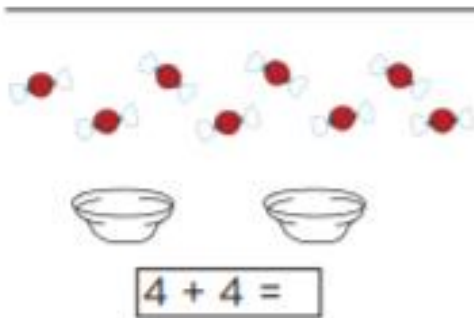
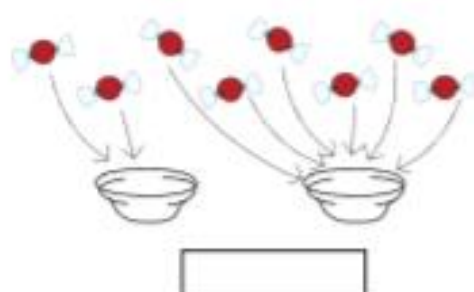
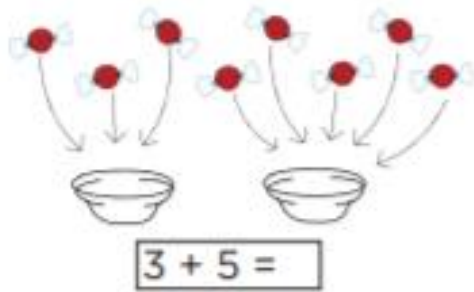
$$\begin{array}{l} \text{snow} + \text{ball} = \text{ } \\ \text{baseball} - \text{ball} = \text{ } \end{array}$$



"We like to play a lot. Please stay with us and play some more" aliens invited children. Let us show you our spaceship. "This is our snack closet. We have a lot of candies inside but first you need to enter correct pattern to open the door. Can you figure out the pattern and continue it?"



So many candies. Please help to share candies for Billy and Greta. Write the number sentences to match each picture.



“Let us show you our special converter machine!”, said Goody.

“Wait”, said Woody. “to make it work, we have to enter a special code and I forgot it”, said “Woody”, but I remember it was a code consisting out of “+” and “-” signs. Can you help?

$$3 * 2 = 1$$

$$4 * 1 = 3$$

$$4 * 2 = 2$$

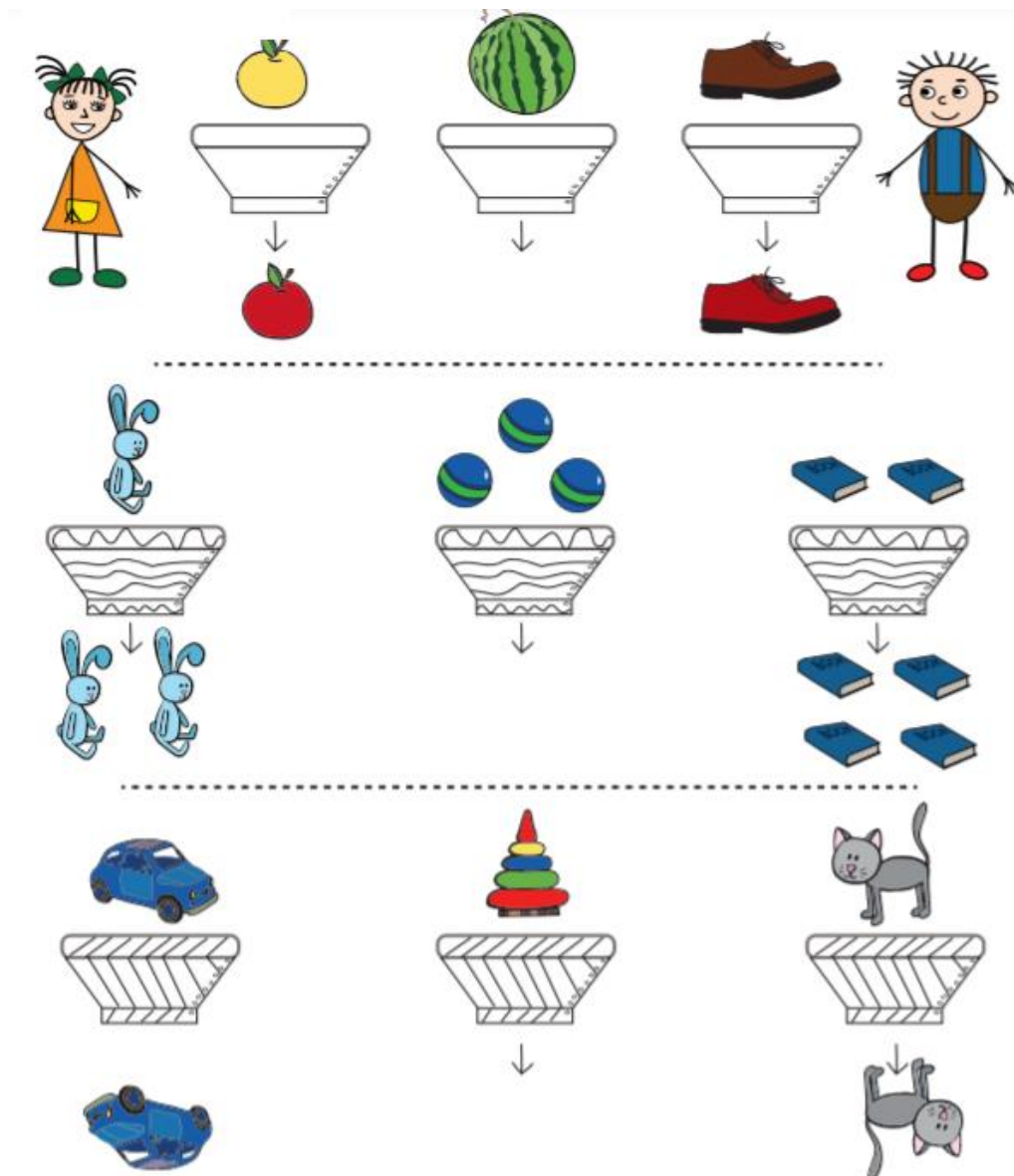
$$2 * 1 = 3$$

$$1 * 3 = 4$$

$$2 * 2 = 4$$



This is our machine that transforms the objects, said Woody . Can you figure out the rule how each object is transformed? (hint: look at Billy and Greta’s machines)





“We love playing toy pyramid, said Goody. “ Look at two sets of pyramid rings, try to put them together in order (show by arrows and dots) , then connect each group to the whole pyramid by line.



“It’s time for us to go home”, said Greta and Bill. But before we go, we would like to give you a problem about symmetry that both of us really like. Play with mirrors, play with symmetry, and remember us. Please come visit us sometime!”



Symmetry

Tell whether or not the dotted line on each shape represents a line of symmetry. Write **yes** or **no**.

