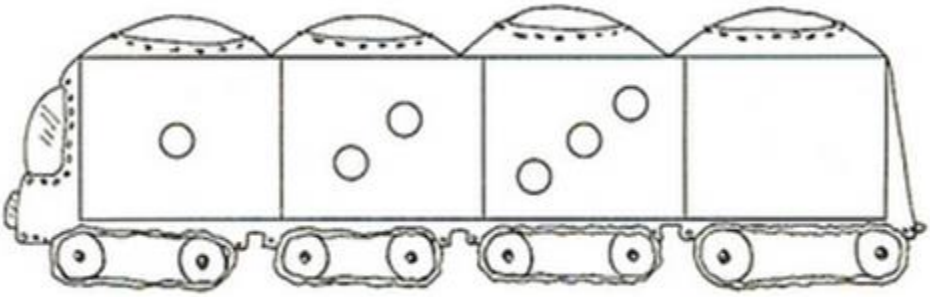
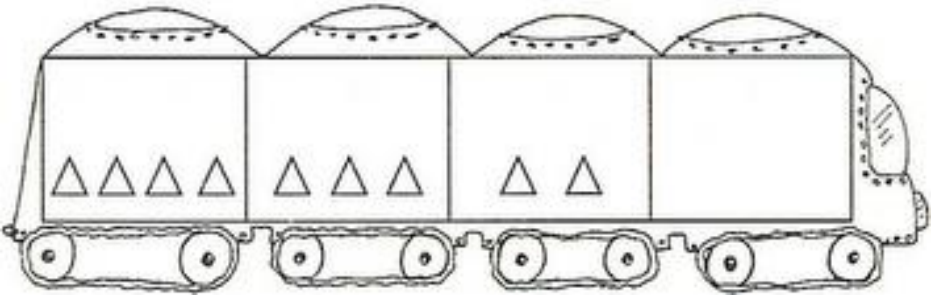
Math Enrichment 4-5

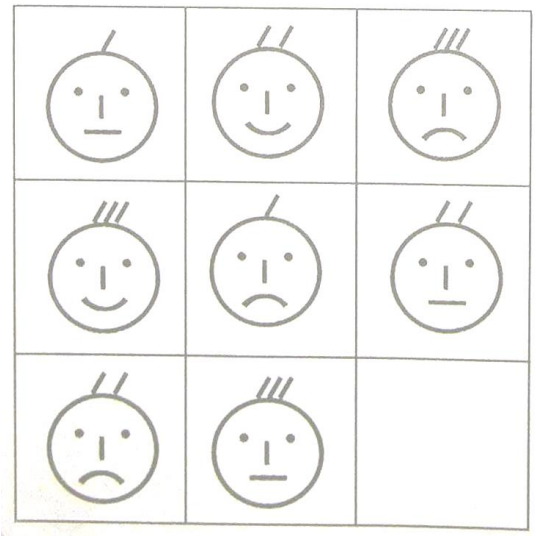
Home Work 15

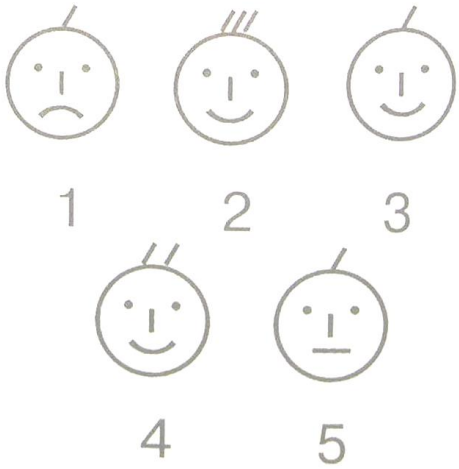
- Hi, my name is Musya, and I am a little gnome who loves traveling. Today I am going to take a train and visit my friend Fred. He feels lonely because all his friends live far from him. I am going to bring him a picture of his friends, and a photo camera. Help me to board a train first. Draw the shapes missing in the empty train car



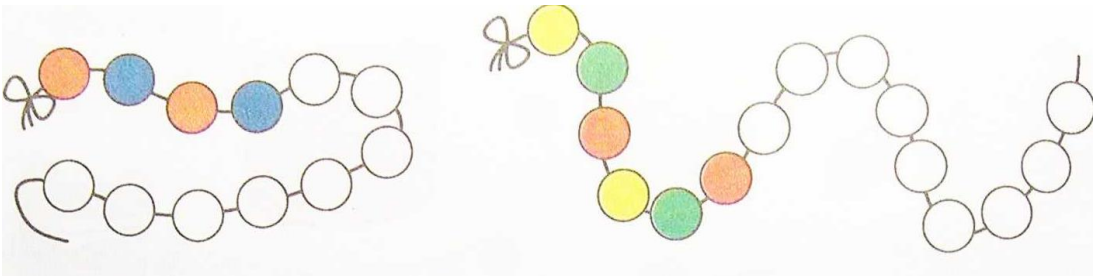


I took pictures of Fred's friends who are unable to visit him
Ops, one friend's picture is missing. Can you guess who is missing?

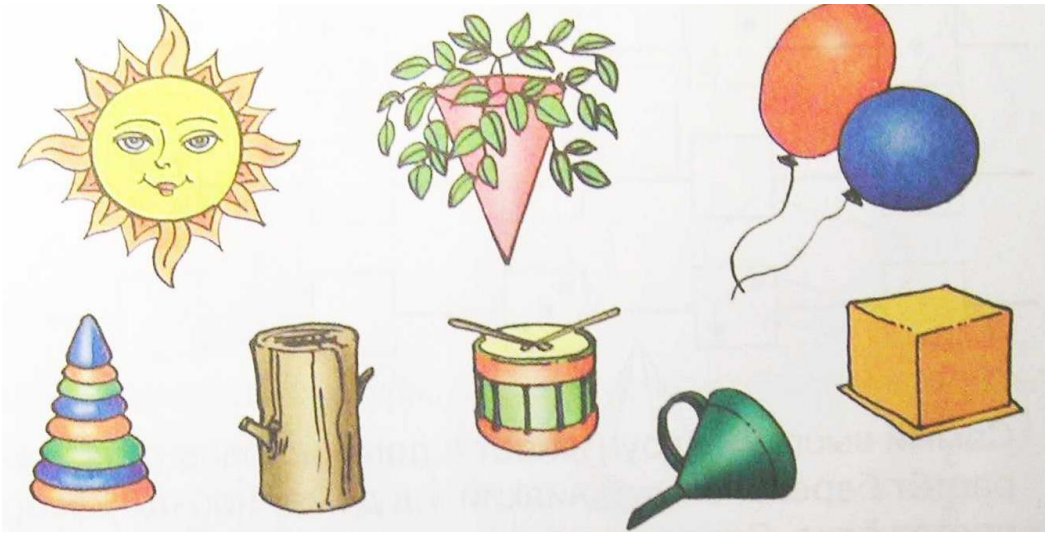




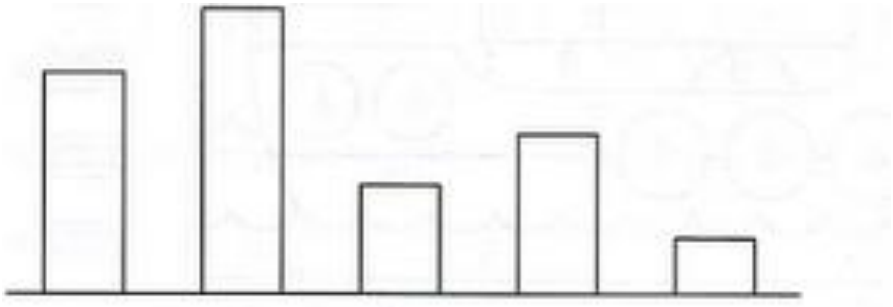
- I will wear my favorite necklace….but which one should I pick?
  Color in the beads according to the pattern and help me to choose



Friends asked me to grab presents for Fred. I picked the objects of the shape that has more items than other items of different shapes. Compare objects of different shapes and circle the objects Musya must take to Fred

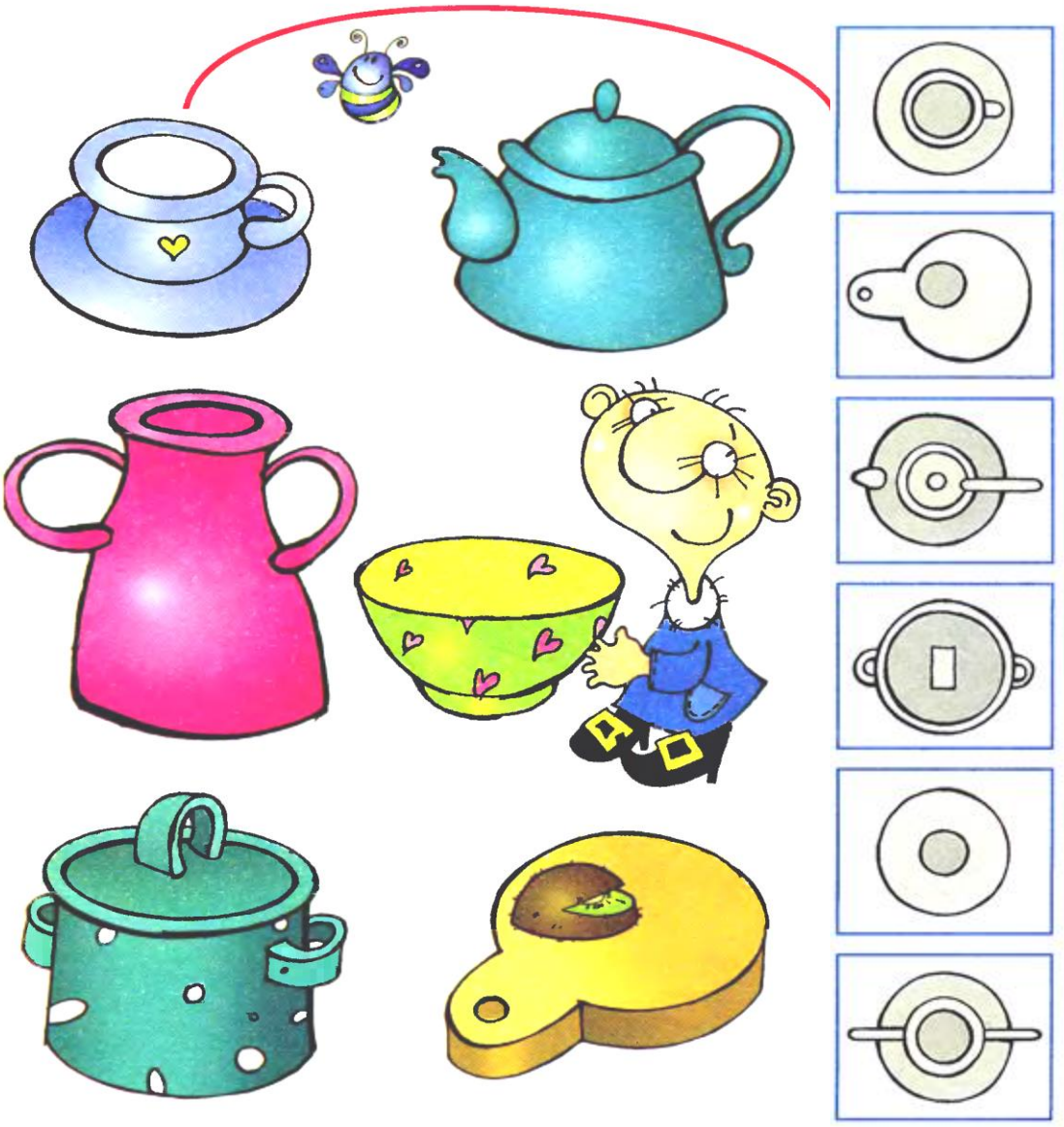


-We have arrived. Let us find the building Fred lived in.
Color the tallest tower red. Color in the next tallest tower, yellow. After the tallest and the next height - in green. Color in the shortest tower orange. Color in blue the tower is between green and red.



-Hi, Musya, said happy Fred! Welcome! Let us drink tea together!
-Sure, said Musya, -but first, let me give you a present. I brough you a special camera that takes pictures of any objects from any angle

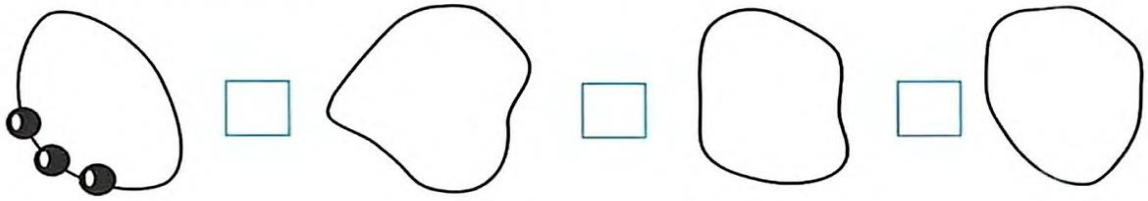
How do these objects look like from the top?
What are their matching photos?



-Thank you so much, I love my gift, said Fred.

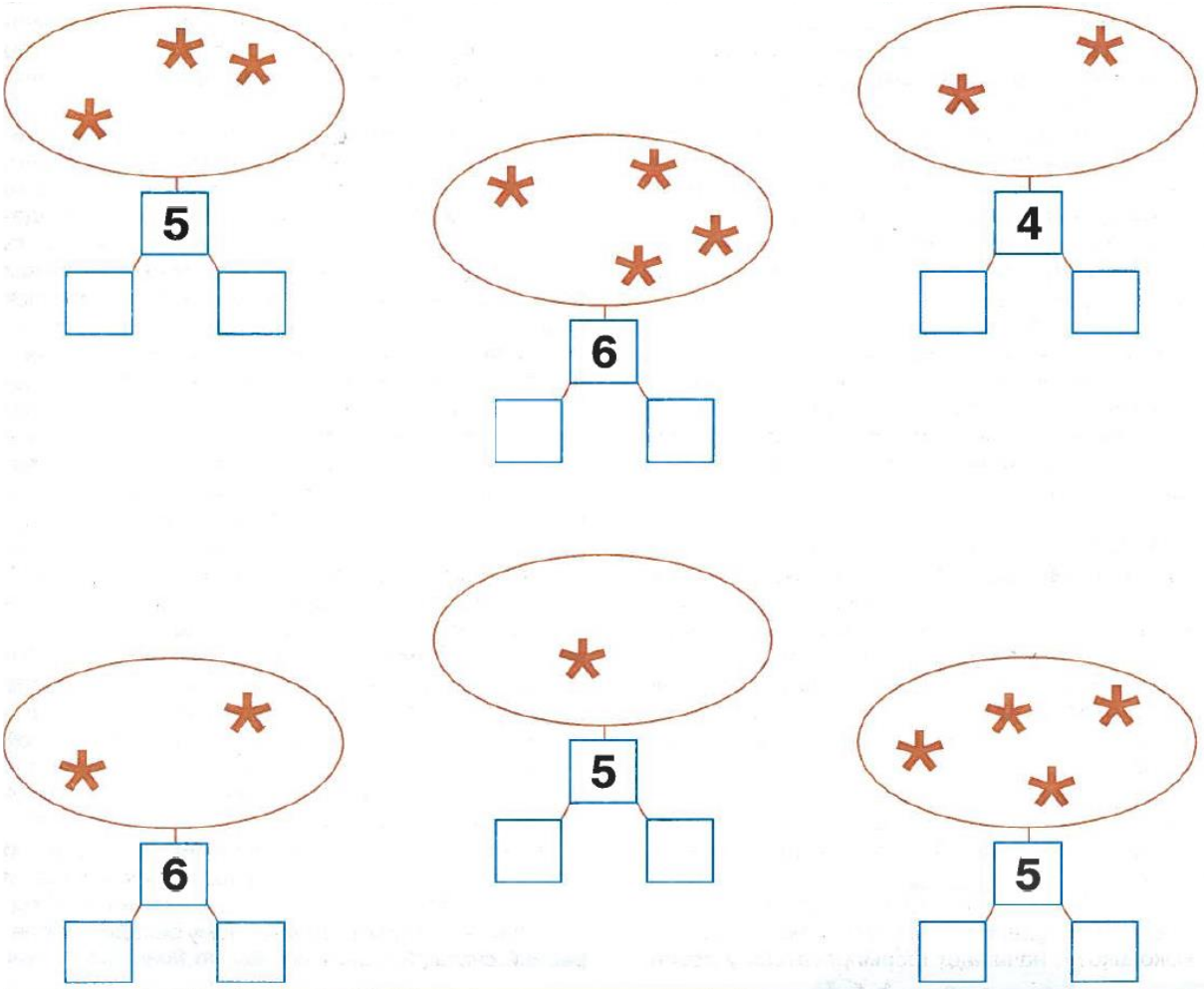
-I have something for you too! That a necklace

Draw the same number of beads as the number under each string. Compare the beads and put in the correct signs **> or <**



3 4 1 2

Its getting dark, Fred!, said Masya, can we go out and watch the night sky?
-Yes, Masya, said Fred, we have the best stargazing town for that.
-Look at the number of stars in the sky. Stars are forming constillations. Can you spot the stars that makup number 5 canstillation? What about number 6 canstillation? Draw the missing stars In one box below write the number of stars you see; and in another empty box write the number of stars you have to draw in order to add up to that canstillation



Now lets play star constilations game. How many stars make up 3,4,5 or 6 number constilaations?

5 — IS 3 + ☐	5 — IS 2 + ☐	5 — IS 1 + ☐
6 — IS 2 + ☐	6 — IS 1 + ☐	3 — IS ☐ + ☐
4 — IS ☐ + ☐	6 — IS 3 + ☐	6 — IS 4 + ☐
4 — IS ☐ + ☐	6 — IS ☐ + 2	6 — IS 5 + ☐

In the morning, Musya had to return back home. Her frind Fred sent a gift for the rest of his friends – a beautiful artwork-riddle. Can you spot all the objects on the painting?