

Math Enrichment 4-5

Homework 8

Problem 1.

Help Bunny finish drawing sticks. Match the number of sticks to the number in the box.

The diagram shows a rabbit named Bunny on the left, holding a pencil and drawing a box with three vertical lines. To the right of Bunny are several boxes containing numbers and empty boxes. Blue lines connect the number boxes to the empty boxes, indicating a matching task. The connections are as follows:

- A box with the number 3 is connected to a box with the number 3.
- A box with the number 2 is connected to a box with the number 2.
- A box with the number 1 is connected to a box with the number 1.
- A box with the number 3 is connected to an empty box.
- A box with the number 2 is connected to an empty box.
- A box with the number 1 is connected to an empty box.
- A box with the number 5 is connected to an empty box.
- A box with the number 4 is connected to an empty box.

Problem 2.

The box has 4 corners (angles).

Put dots in the corners based on the key:

In the left, bottom corner - red dot,

In the left, upper corner - green dot,

In the right, upper corner - yellow,

In the right, bottom corner - blue.



Problem 4.

Color in the circles in each row. How many blue and red circles did you get? Count and write the numbers in the boxes next to blue and red boxes.

Four circles are shown. The first, second, and fourth circles are orange. The third circle is blue. To the right, there are two boxes for counting: a blue box with a minus sign and the number 1, and an orange box with a minus sign and an empty box.

Four empty circles are shown. To the right, there are two boxes for counting: a blue box with a minus sign and the number 3, and an orange box with a minus sign and an empty box.

Four empty circles are shown. To the right, there are two boxes for counting: a blue box with a minus sign and an empty box, and an orange box with a minus sign and the number 2.

Four empty circles are shown. To the right, there are two boxes for counting: a blue box with a minus sign and the number 2, and an orange box with a minus sign and an empty box.

Write all of the possible ways you can color in the circles in the boxes below.

4 — is AND

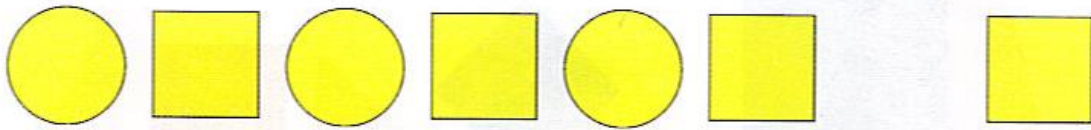
4 — is AND

4 — is AND

4 — is AND

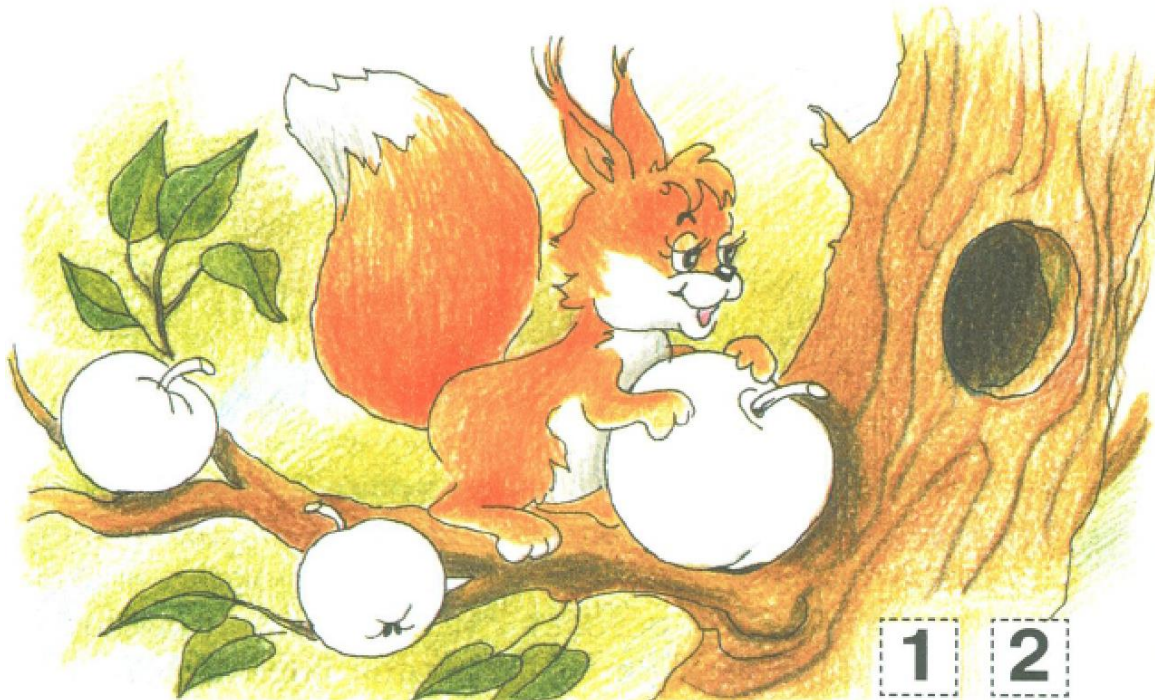
Problem 3.

Draw the shape that is missing to correctly continue the pattern.



Problem 5. Color in the apples that can fit into the hole.

Circle the number of apples that can fit.



Problem 6. Which apple doesn't belong? Why?

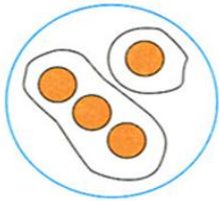


Problem 7. Draw a longer rope below the rope in the picture and a shorter one above.

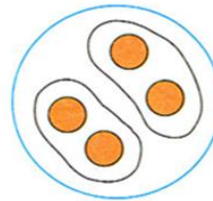


Problem 8.

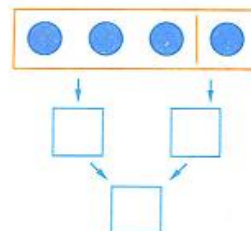
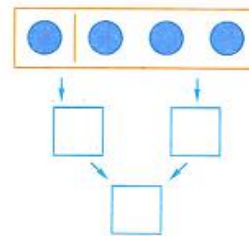
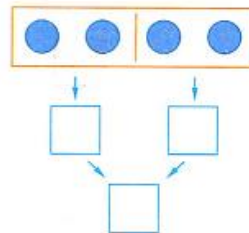
Study the pictures with orange circles.



4	—	IS	1	AND	3
4	—	IS	2	AND	2
4	—	IS	3	AND	1



Explain, how you can split 4 blue circles in different ways. Write all of the possible ways in the boxes below.



Problem 9.

Cut out the pictures. Review the terms ABOVE, UNDER, ON TOP, RIGHT, LEFT, BEHIND, and IN FRONT. Glue the mushroom on a separate piece of paper. Now, glue the butterfly above the mushroom, the caterpillar on the mushroom, the ladybug under, and the flower on the right of the mushroom.



Problem 8

