

Math Enrichment 4-5

Homework 26

Problem 1 What needs to be put in the empty boxes? Draw lines.

	2			5			8		
1	2	3	4	5	6	7	8	9	10
	3			6			9		

Compare the pictures. What do you notice? What is to the left of the bear and what is to the right? What is to the left of the girl and what is to the right? Color the ball that is to the left of the bear in green, and the one to the right in red.

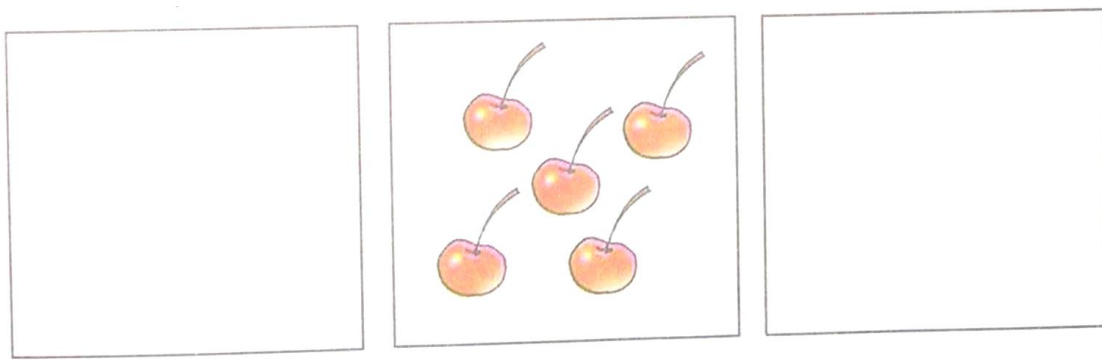


Problem 2

Tanya is crying because she does not know how to color the balls.
Help her to color all the parts of the balls so that all balls look the same.



Draw cherries so that on the left picture there is one less cherry than in the middle picture. There is one extra cherry on the right picture than in the middle.



Problem 3 Solve the problems. Add and record your answers.

$$\begin{array}{r} 1 \text{ } \img alt="1 teddy bear" data-bbox="225 238 259 275" \\ + 1 \text{ } \img alt="1 teddy bear" data-bbox="225 300 259 337" \\ \hline \square \end{array}$$

$$\begin{array}{r} 2 \text{ } \img alt="2 frogs" data-bbox="475 245 535 265" \\ + 3 \text{ } \img alt="3 frogs" data-bbox="475 305 571 330" \\ \hline \square \end{array}$$



$$\begin{array}{r} 6 \text{ } \img alt="6 balloons" data-bbox="205 428 295 500" \\ + 3 \text{ } \img alt="3 balloons" data-bbox="205 525 295 565" \\ \hline \square \end{array}$$

$$\begin{array}{r} 1 \text{ } \img alt="1 ant" data-bbox="475 460 515 485" \\ + 5 \text{ } \img alt="5 ants" data-bbox="475 505 606 560" \\ \hline \square \end{array}$$

$$\begin{array}{r} 7 \text{ } \img alt="7 drums" data-bbox="715 440 812 510" \\ + 2 \text{ } \img alt="2 drums" data-bbox="715 535 785 560" \\ \hline \square \end{array}$$

$$\begin{array}{r} 2 \text{ } \img alt="2 fish" data-bbox="205 700 285 735" \\ + 1 \text{ } \img alt="1 fish" data-bbox="205 765 245 800" \\ \hline \square \end{array}$$

$$\begin{array}{r} 2 \text{ } \img alt="2 candles" data-bbox="475 695 515 735" \\ + 4 \text{ } \img alt="4 candles" data-bbox="475 760 561 805" \\ \hline \square \end{array}$$

$$\begin{array}{r} 2 \text{ } \img alt="2 candies" data-bbox="715 700 805 735" \\ + 3 \text{ } \img alt="3 candies" data-bbox="715 765 824 800" \\ \hline \square \end{array}$$

Problem 4

There are **10** beads on each string. Using numbers, write how many beads are visible and how many are hidden.



A string of 10 blue beads. 3 beads are visible on the left, and 7 beads are hidden behind a purple cloud on the right. To the right of the string is a number bond diagram with the number 10 in a box at the top, and two empty boxes below it.




A string of 10 orange beads. 3 beads are visible on the left, and 7 beads are hidden behind a green cloud on the right. To the right of the string is a number bond diagram with the number 10 in a box at the top, and two empty boxes below it.



A string of 10 green beads. 2 beads are visible on the left, and 8 beads are hidden behind a pink cloud on the right. To the right of the string is a number bond diagram with the number 10 in a box at the top, and two empty boxes below it.



A string of 10 purple beads. 4 beads are visible on the left, and 6 beads are hidden behind a yellow cloud on the right. To the right of the string is a number bond diagram with the number 10 in a box at the top, and two empty boxes below it.



A string of 10 red beads. 2 beads are visible on the left, and 8 beads are hidden behind a blue cloud on the right. To the right of the string is a number bond diagram with the number 10 in a box at the top, and two empty boxes below it.



A string of 10 green beads. 1 bead is visible on the left, and 9 beads are hidden behind an orange cloud on the right. To the right of the string is a number bond diagram with the number 10 in a box at the top, and two empty boxes below it.

Problem 6 Find a hive for each bee. Connect each bee with hive. Use the “Number Line” to help find the correct answer.

A horizontal number line is shown at the top, with tick marks and labels for numbers 0 through 10. Below the number line is a green field with several colorful hives and bees. Each hive has a simple addition or subtraction problem written on it. Each bee is carrying a small white bucket with a number on it. The hives and their problems are: orange (4+4), red (5+5), pink (6-3), purple (9-4), purple (6+1), green (10-1), cyan (7-5), and yellow (2+2). The bees and their bucket numbers are: a bee with bucket 2 near the orange hive, a bee with bucket 8 near the pink hive, a bee with bucket 4 near the purple (9-4) hive, a bee with bucket 7 near the purple (6+1) hive, a bee with bucket 5 near the purple (6+1) hive, a bee with bucket 9 near the yellow (2+2) hive, a bee with bucket 10 near the cyan (7-5) hive, and a bee with bucket 3 near the yellow (2+2) hive.

Problem 7

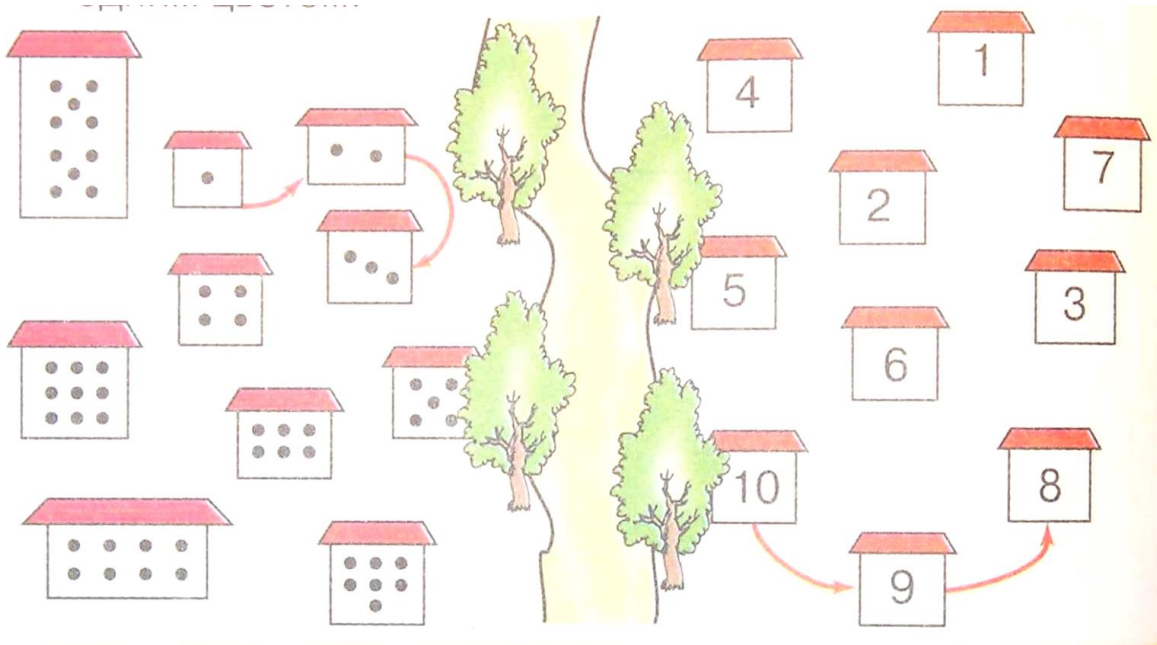
Divide apples equally amongst the two girls. You can draw lines. How many apples does each girl get? Record your answer.

An illustration shows two young girls standing on either side of a green apple tree. The tree is full of red apples. The girl on the left has blonde hair in pigtails and is wearing a light blue dress with a pink collar and a pink sash. She is holding a brown wicker basket. The girl on the right has brown hair in pigtails and is wearing a blue dress over a red shirt. She is also holding a brown wicker basket. To the left of the blonde girl is an empty square box. To the right of the brown-haired girl is another empty square box.

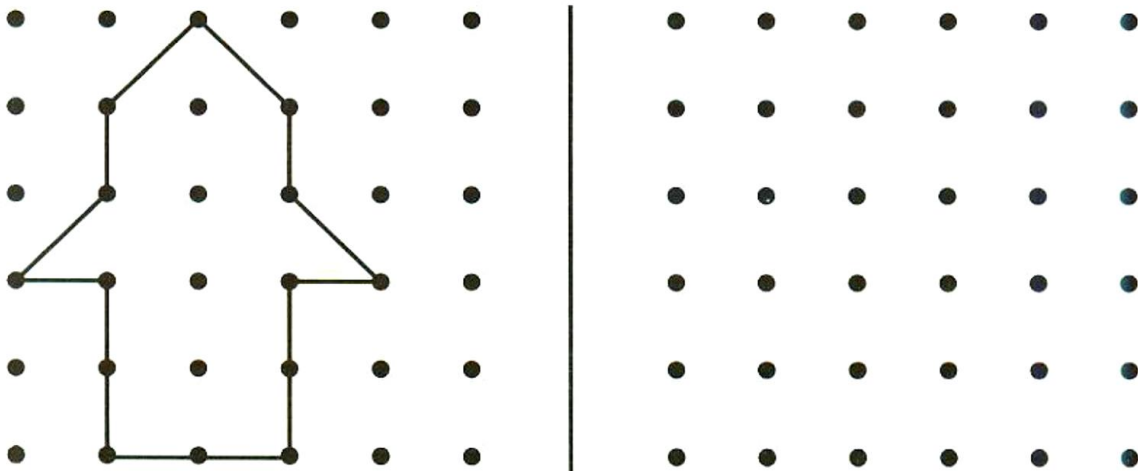
Problem 8

Find the connection between the pictures of the houses on the left side and on the right. Follow the pattern and continue drawing the arrows.

Color the houses with the matching numbers in the same color.

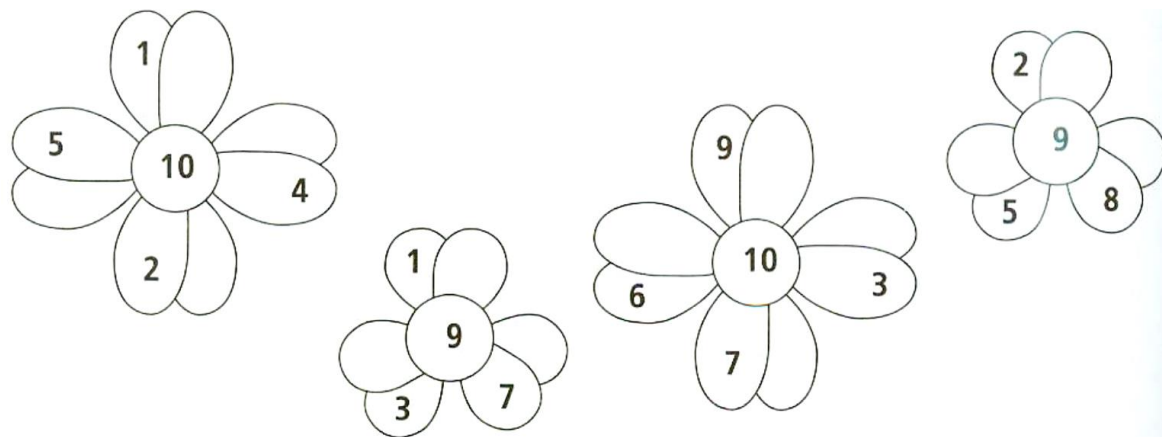


Problem 9 Copy the drawing.



Problem 10

Write on the petals the pairs of numbers that add up to 9 or 10.

**Problem 11**

Continue the pattern.

