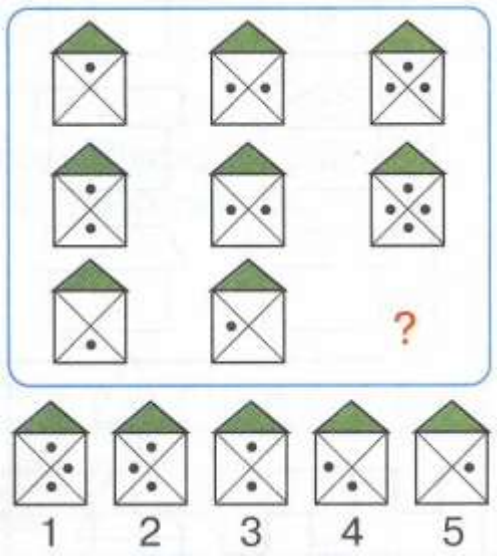
Math 0

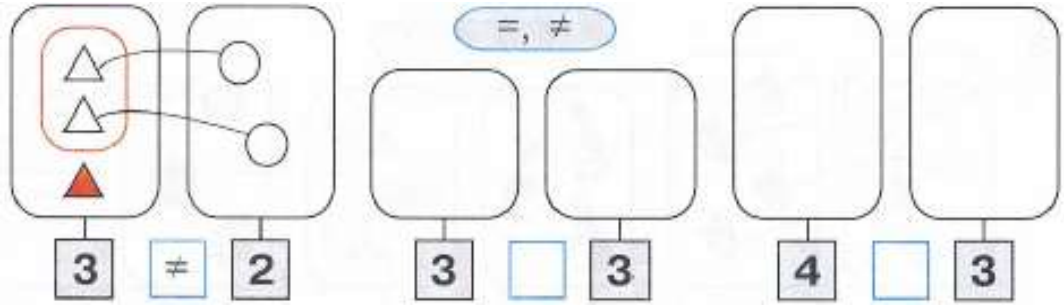
Homework 16

Problem 1 What is missing in the empty box? Connect.

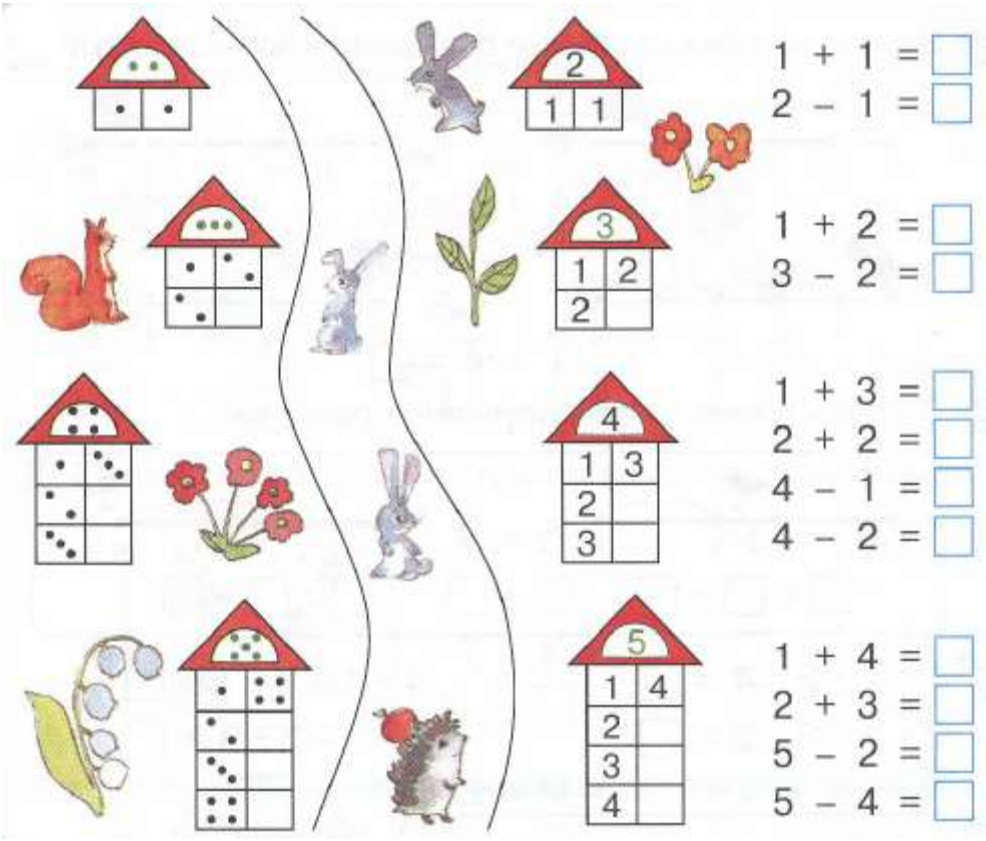


Problem 2 Cross out what does not belong. Explain why.

Problem 3 Look at the example. Create and draw new groups according to the giving setting. Compare.



Problem 4 Draw the missing dots and write the missing digits inside the houses in such a way that the sum of the numbers in each row would be the same as the number on the roof. Solve the problems.

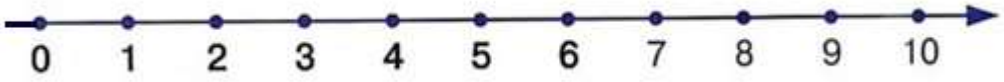


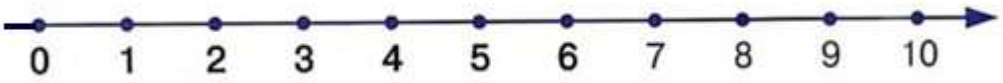
Add or subtract using the number line.

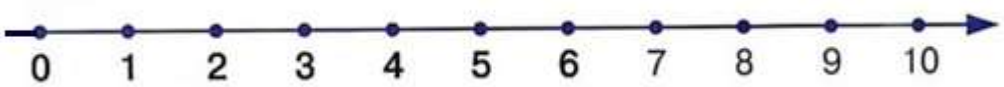
2 + 2 + 1 = ☐ 3 − 1 + 2 = ☐ 5 − 3 + 1 = ☐

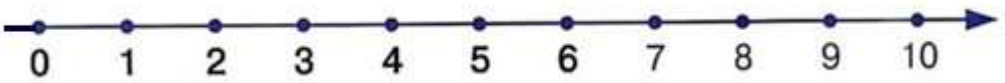
5 − 2 − 1 = ☐ 4 + 1 − 3 = ☐ 1 + 4 − 2 = ☐

3 + 2 − 4 = ☐ 2 − 1 + 4 = ☐ 1 + 3 + 1 = ☐

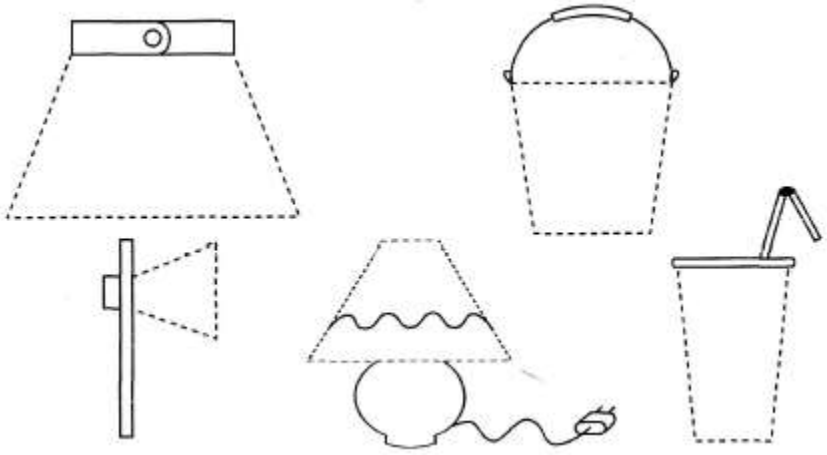




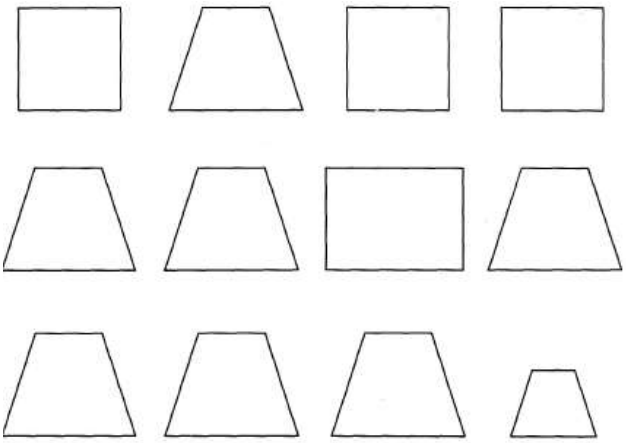




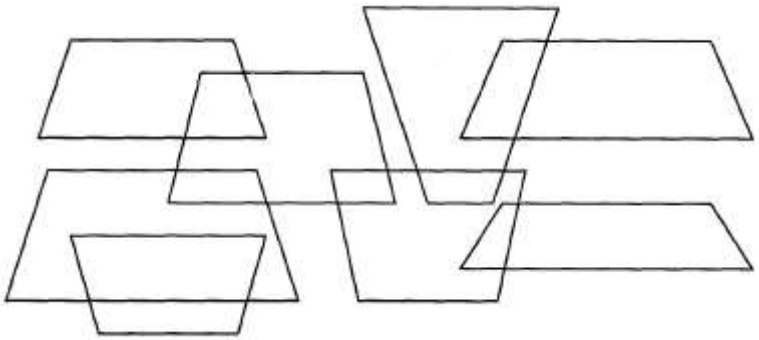
Problem 5 A trapezoid is a 4-sided flat shape (quadrilateral) with one pair of sides that are parallel and the other pair of sides are not parallel**.** Trace the trapezoids.



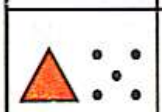
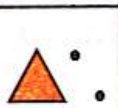
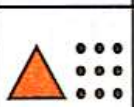
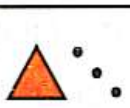
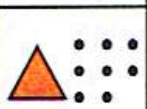
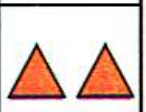
What shape does not belong in each row and why?



Trace and count the number of trapezoids.



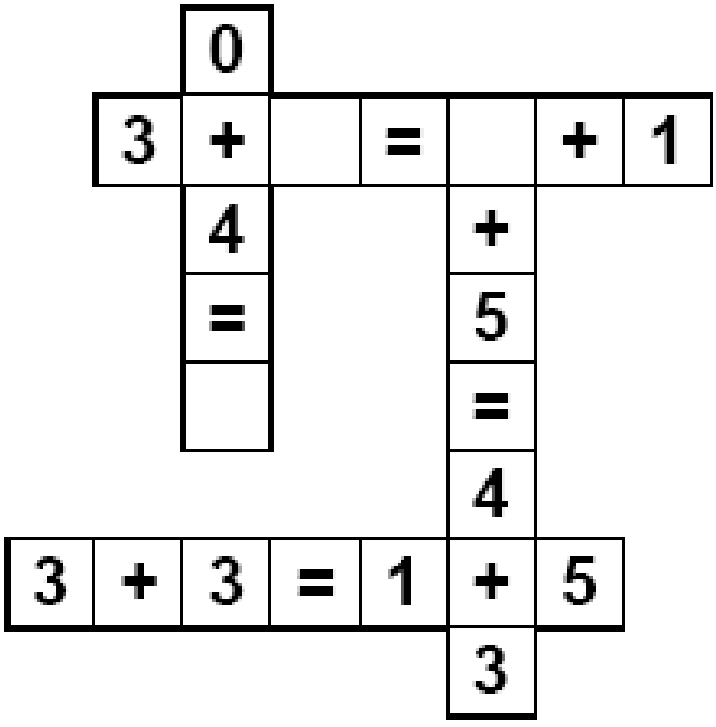
Problem 6 Complete the table below according to the rule.

15		11		14		17		16	
									

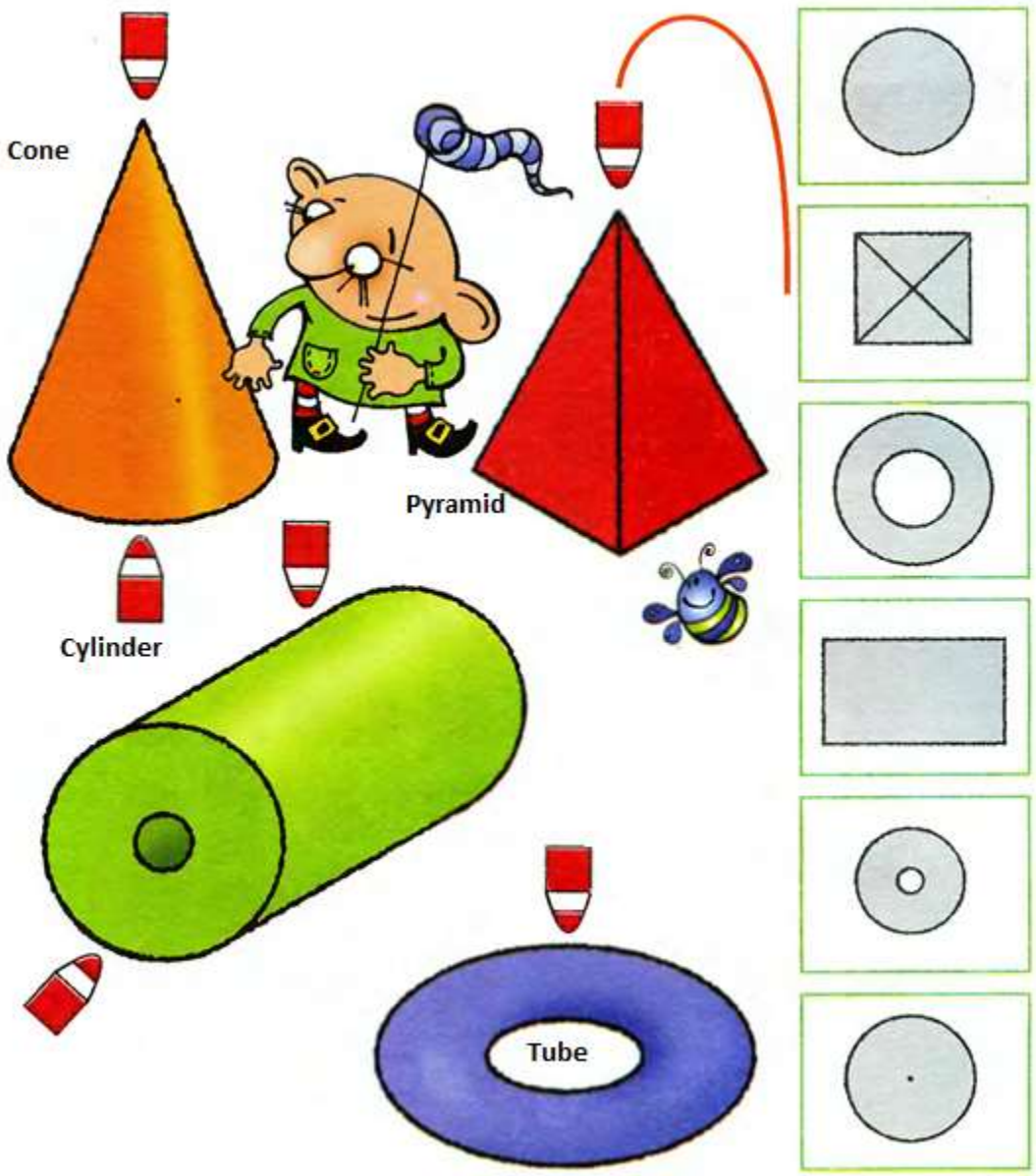
Add or subtract.

12 + 7 = ☐	10 + 8 = ☐	11 + 0 = ☐
3 + 13 = ☐	2 + 10 = ☐	0 + 19 = ☐
16 − 4 = ☐	19 − 10 = ☐	16 − 0 = ☐
17 − 15 = ☐	14 − 4 = ☐	12 − 12 = ☐

Problem 7 Solve the puzzle.



Problem 8 How do these shapes look like from the red pencil point of view? What are their projections (photo)?
Connect each shape with the correct projection.

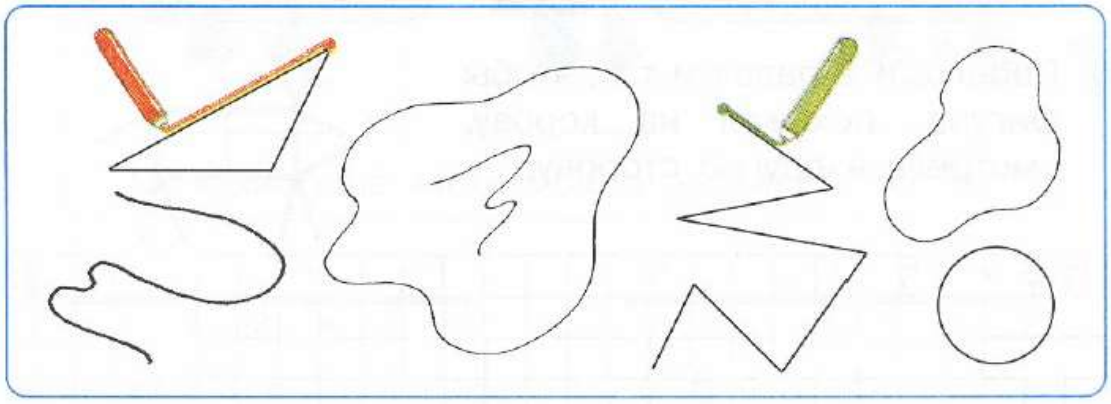


Math 0

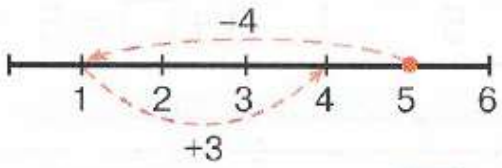
Homework 18.

Problem 1.

Trace the closed lines in red, and open lines in green.

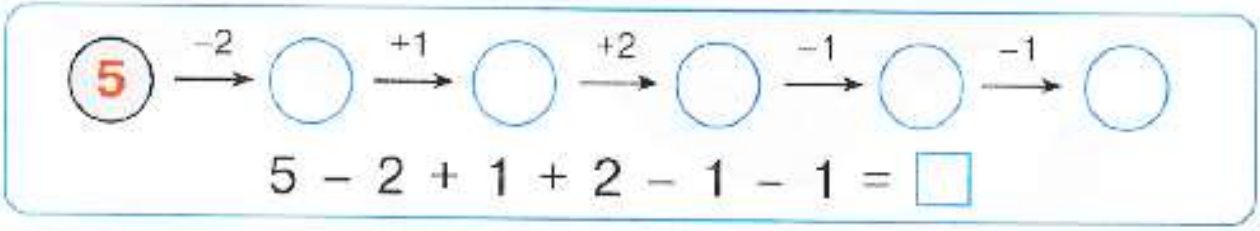


Add or subtract using the number line.



5 − 4 + 3 = ☐

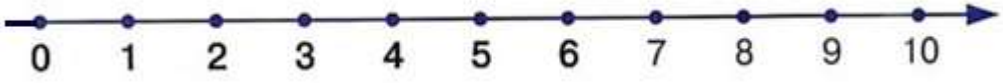
3 + 2 − 4 = ☐



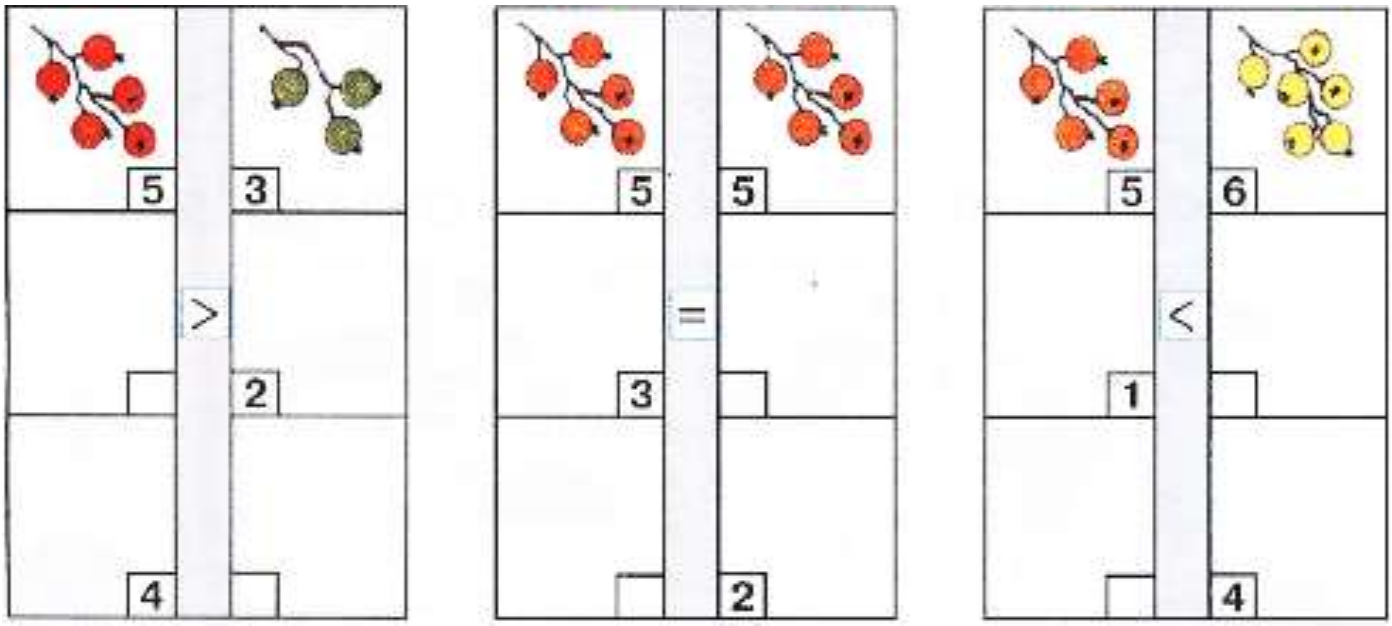
5 − 2 + 1 + 2 − 1 − 1 = ☐

Decode a word. Put letters according to their numerical order.

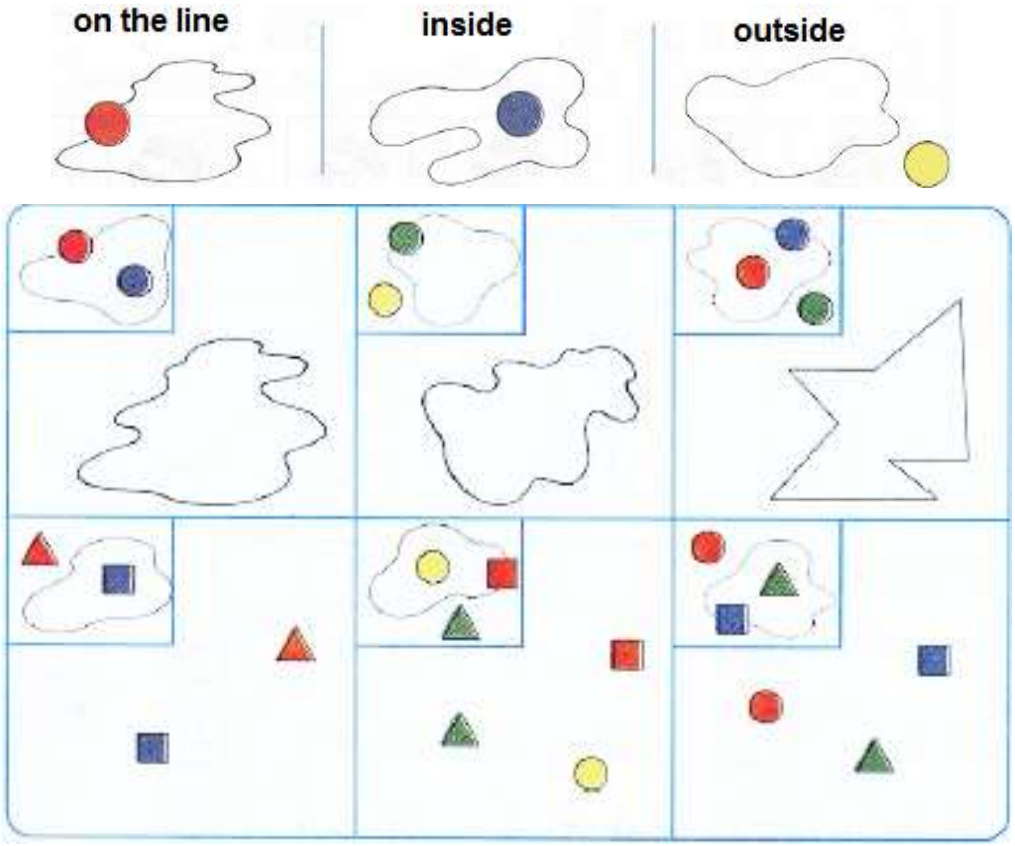
1 + 5 − 3 = ☐	J	5 − 2 + 3 = ☐	T
3 − 1 + 3 = ☐	C	6 − 4 + 2 = ☐	E
2 + 3 − 4 = ☐	O	4 + 1 − 3 = ☐	B



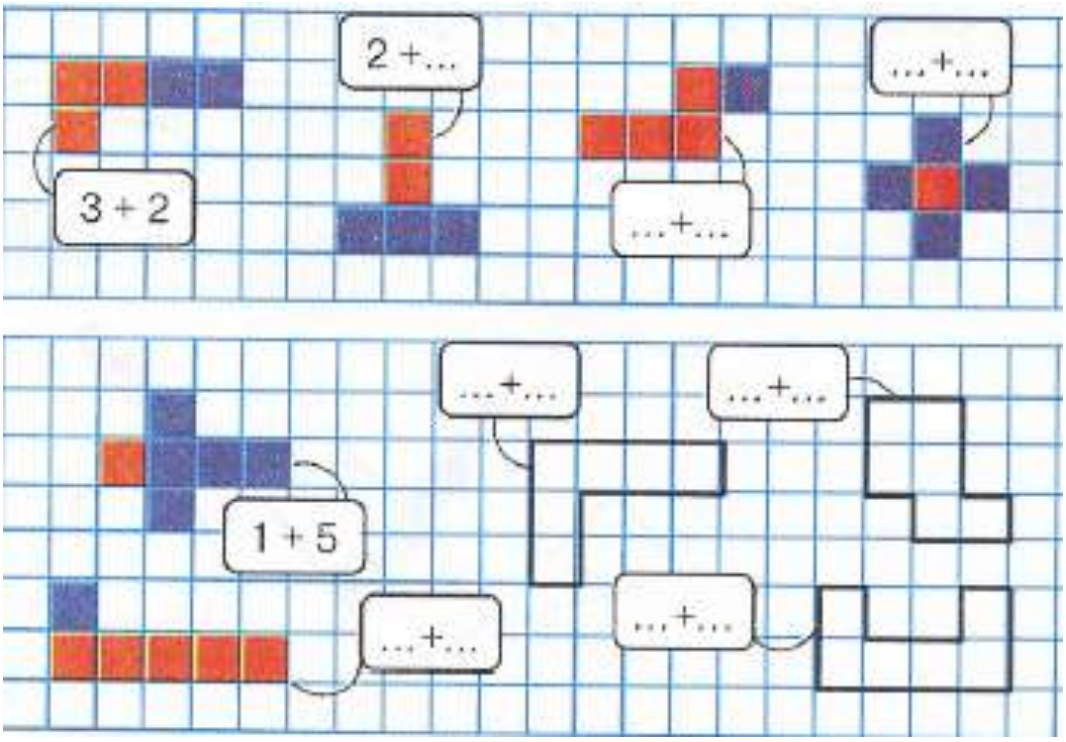
Problem 2. Draw your pictures by following the rules in the boxes. Pay attention to the signs “>”, “<” or “=” .



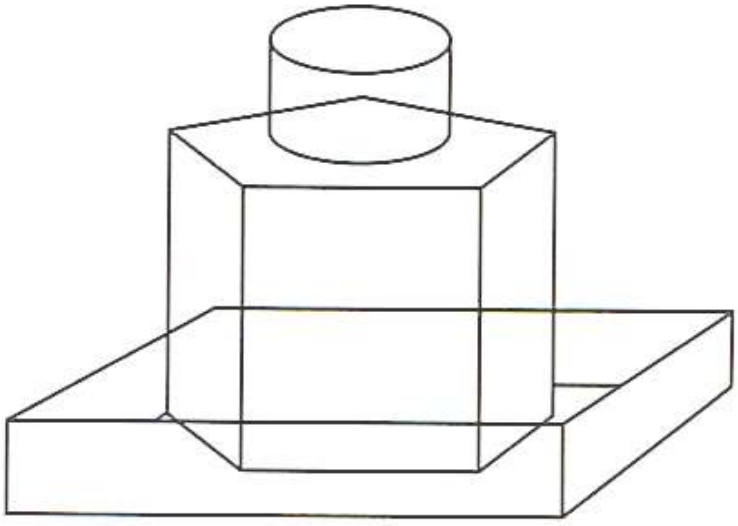
Problem 3. Look at the example in the blue boxes. Draw shapes and lines by following the pattern.



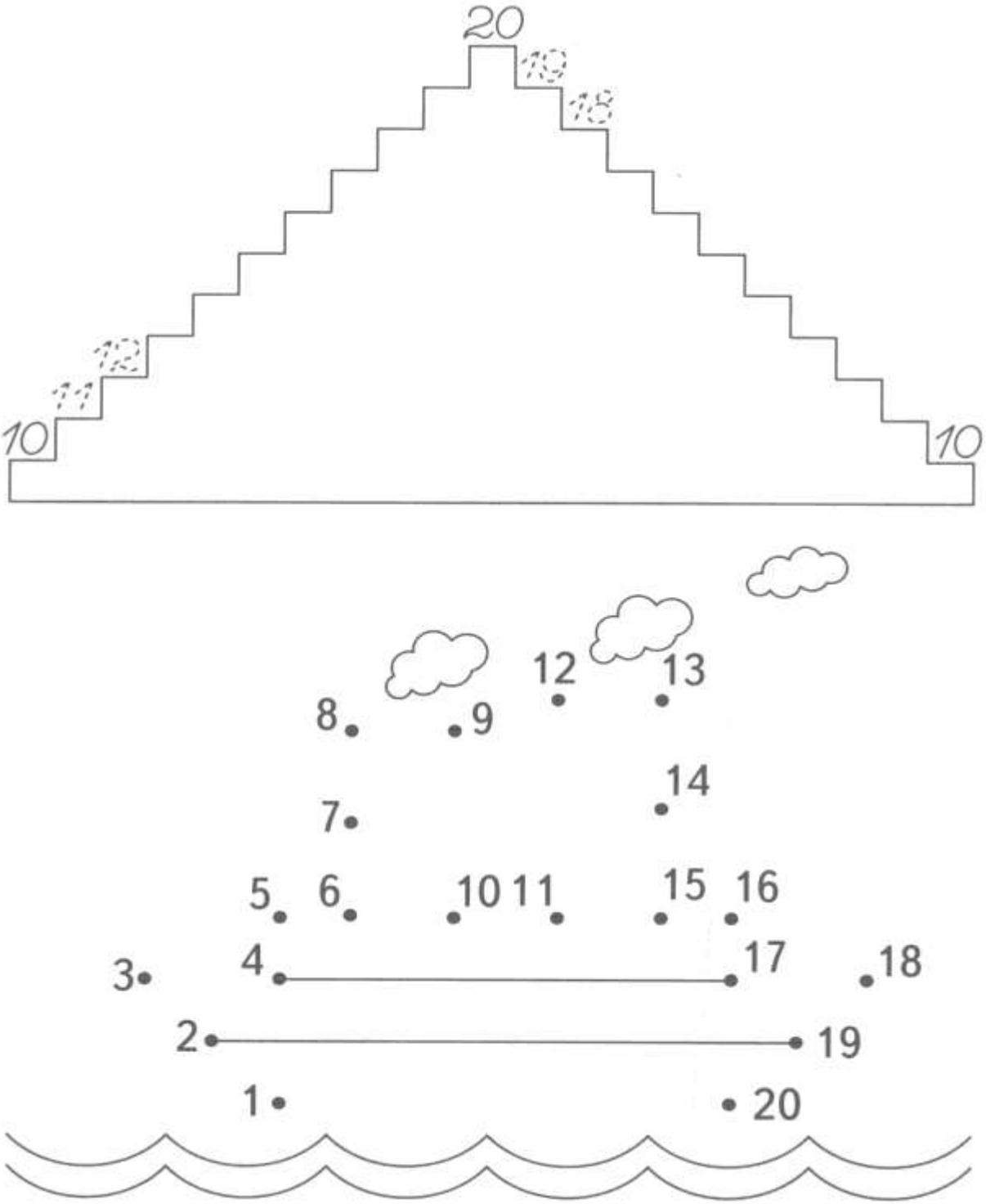
Problem 4. Compose the number expressions. Draw your examples.



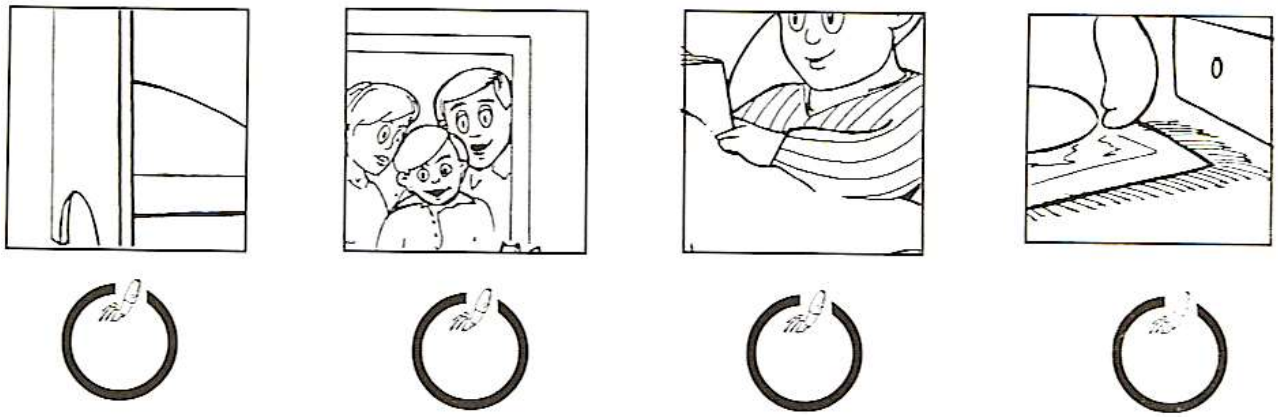
Problem 5. Color the picture if the blue box is in the box which is red from the inside and yellow from the outside. The green box is on top of the blue one.

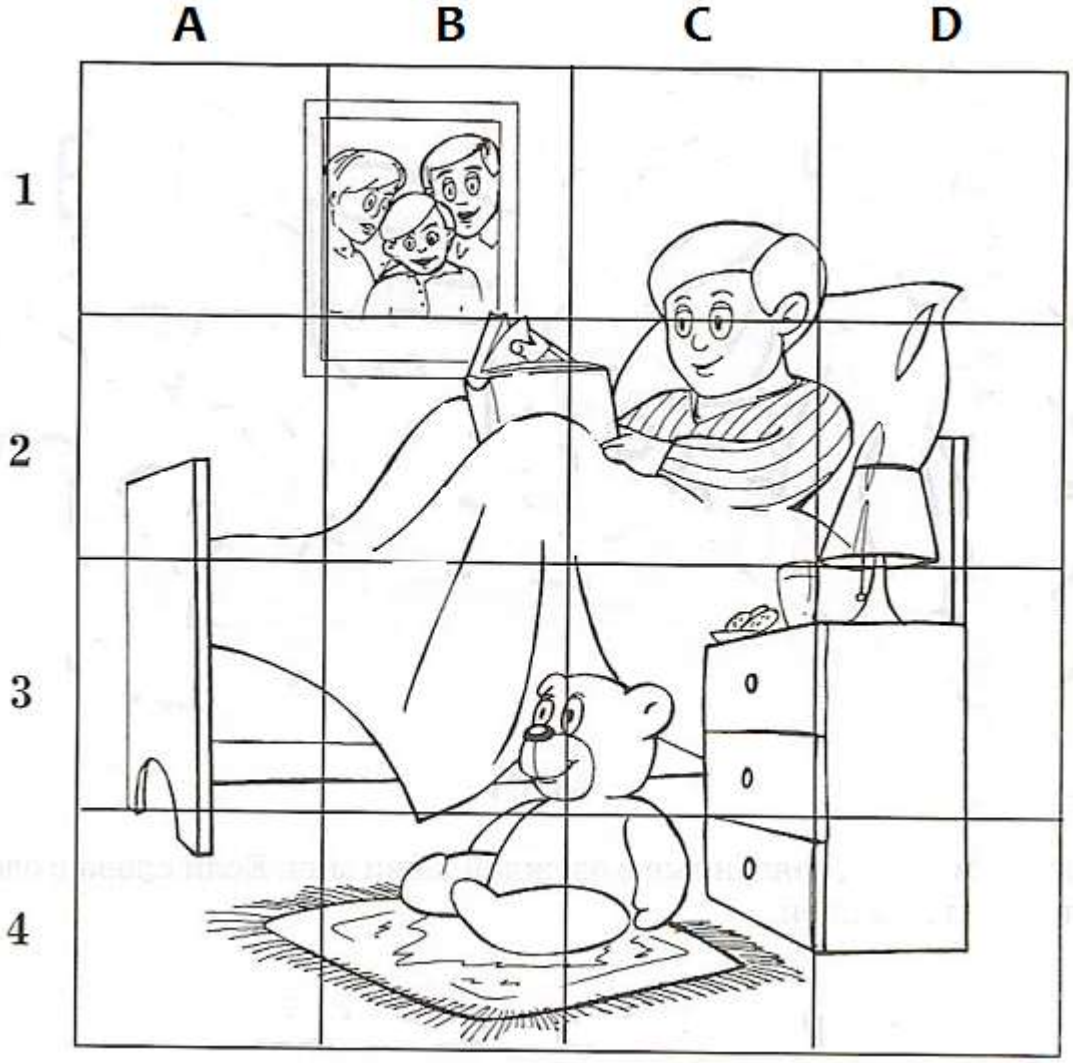


Problem 6. Finish the drawing.

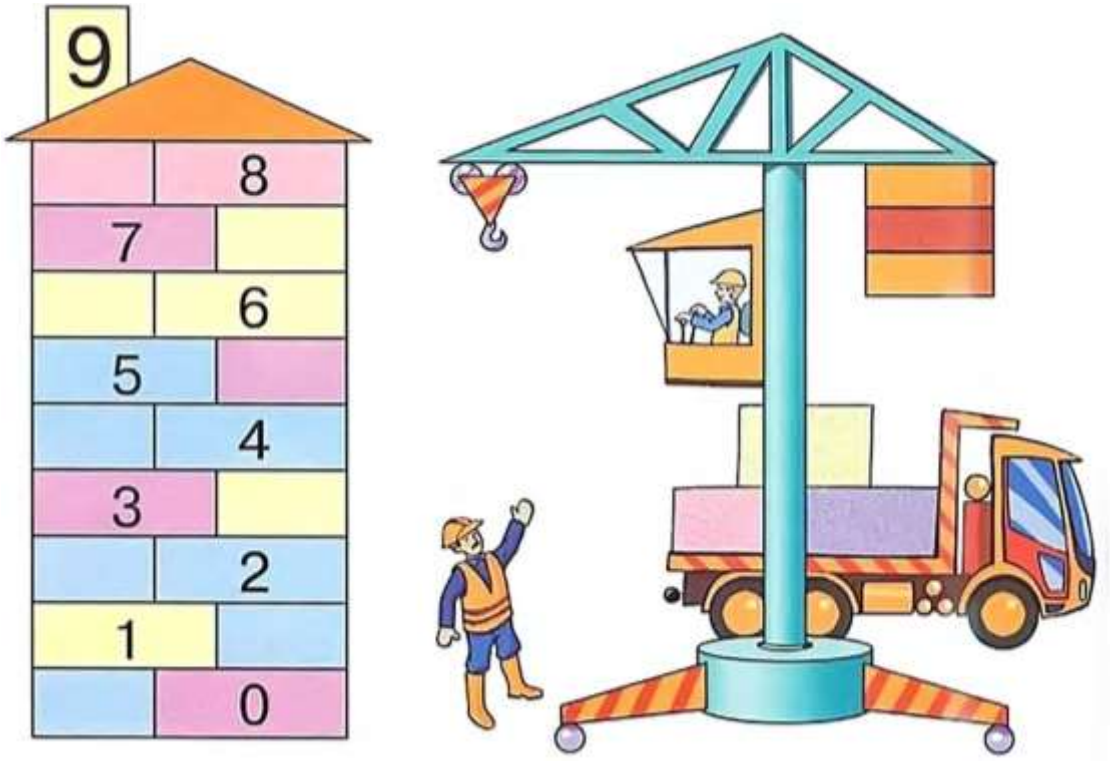


Problem 7. Write picture's "addresses" in the circles.

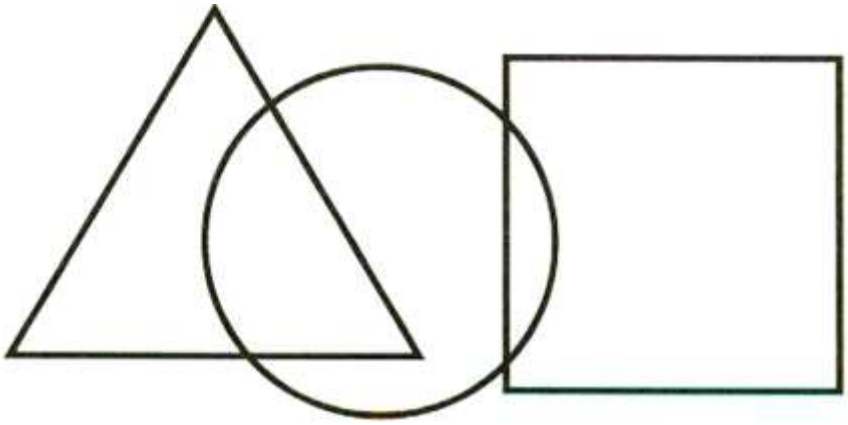




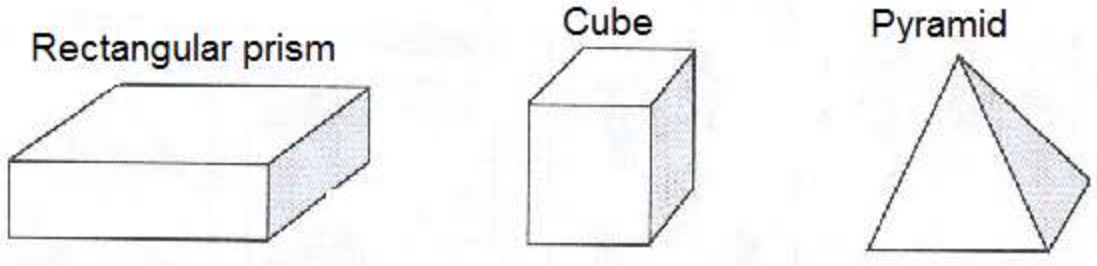
Problem 8. Make each floor add up to **9**



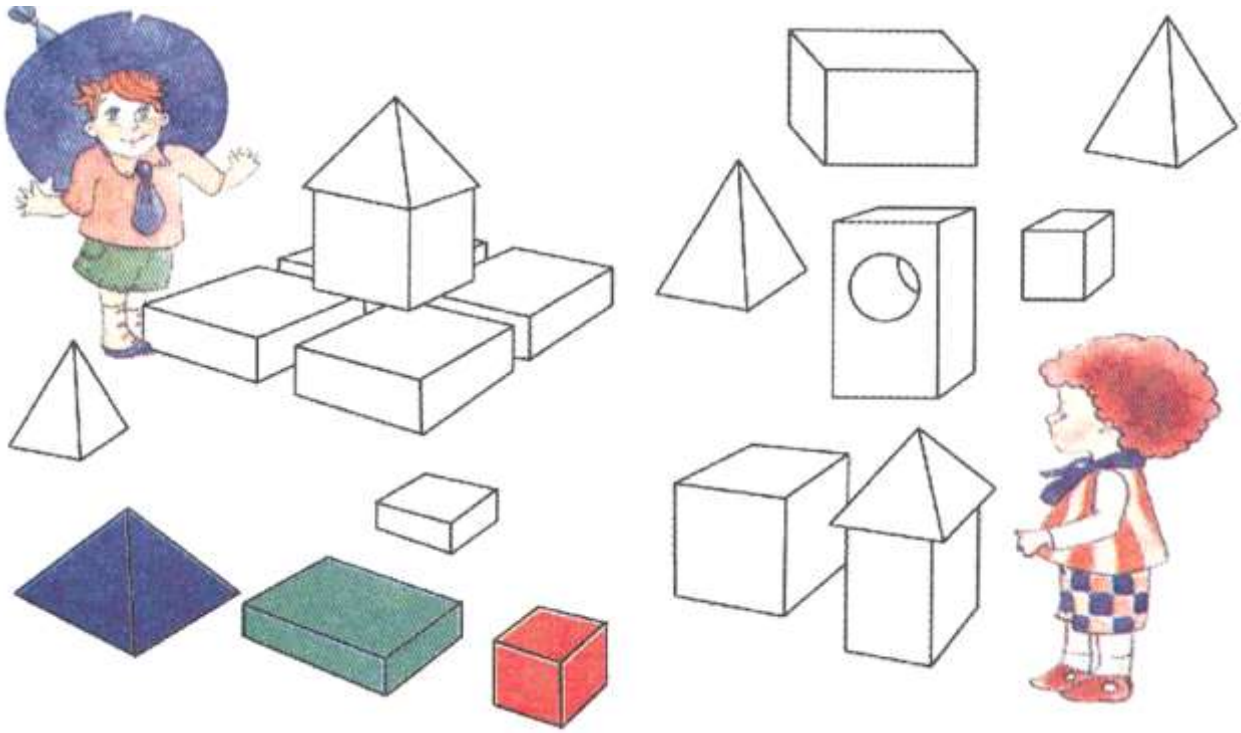
Problem 9.
Color the circle in a way so that it will be on top of the triangle and the square.



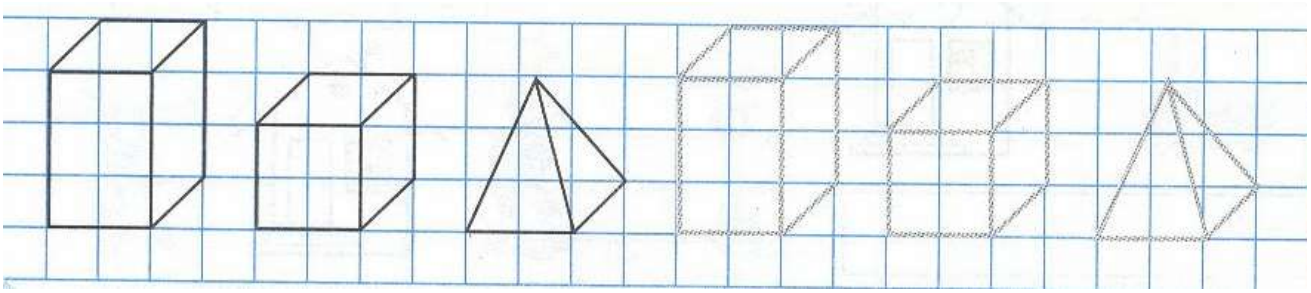
Problem 10



Find and color in all the pyramids - blue, rectangular prisms- green, cubes - red.



Trace.



Math 0.

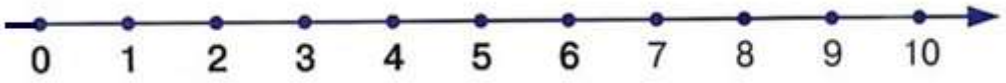
Homework 20.

Problem 1. Solve.

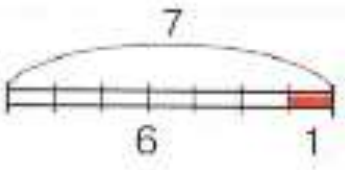
$5 - 4 + 3 = \square$ $\quad$ $3 + 2 - 4 = \square$

$1 + 4 - 2 = \square$ $\quad$ $4 - 2 - 1 + 5 = \square$

$6 - 3 + 2 = \square$ $\quad$ $2 + 4 - 1 - 3 = \square$



Compose the number sentences according to the number lines.

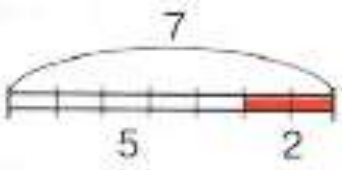


$6 + 1 = 7$

$1 + 6 = \square$

$7 - 6 = \square$

$7 - 1 = \square$

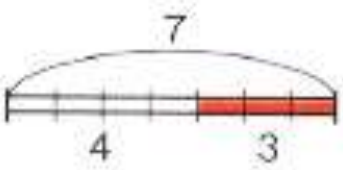


$5 + 2 = \square$

$\square + \square = \square$

$7 - 2 = \square$

$\square - \square = \square$



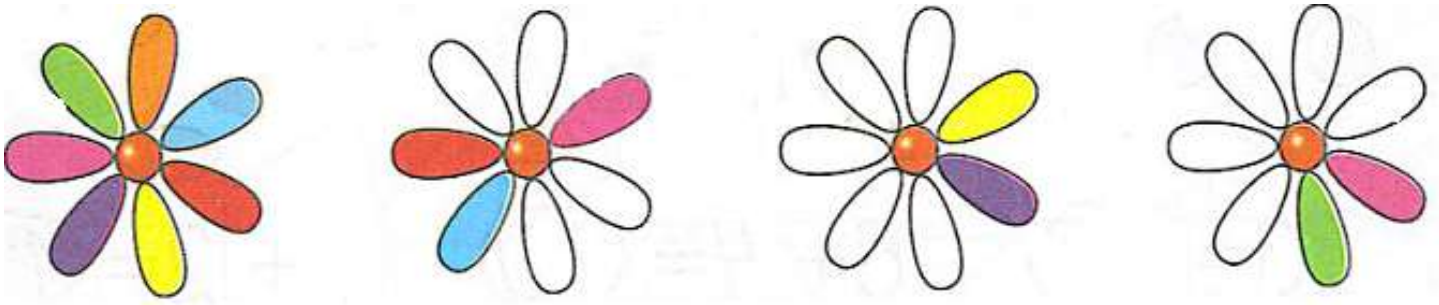
$4 + 3 = \square$

$\square + \square = \square$

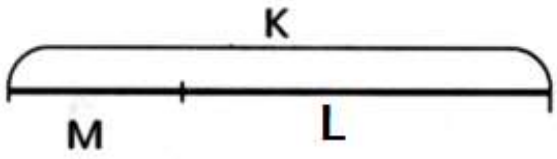
$\square - \square = \square$

$\square - \square = \square$

Problem 2. Make the flowers look exactly like the first flower. Make sure that the sequence of the colors stays the same.



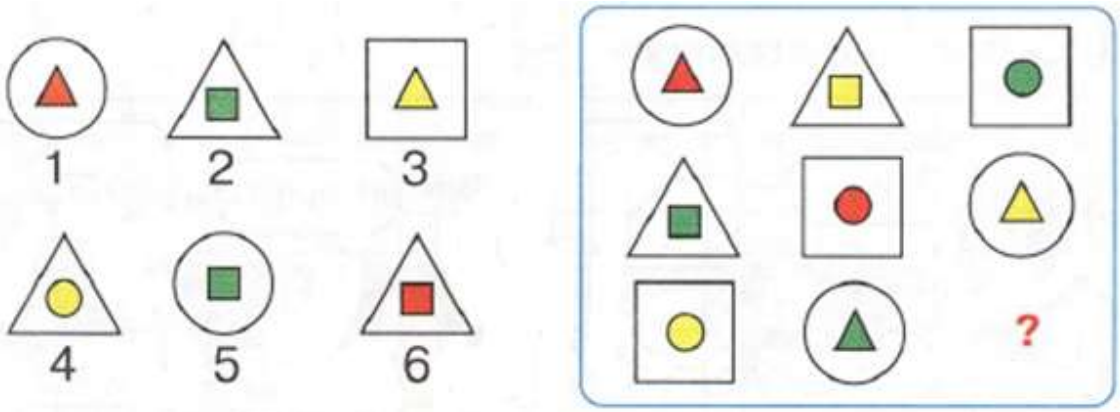
Problem 3. Fill out the blank boxes according the scheme (diagram).



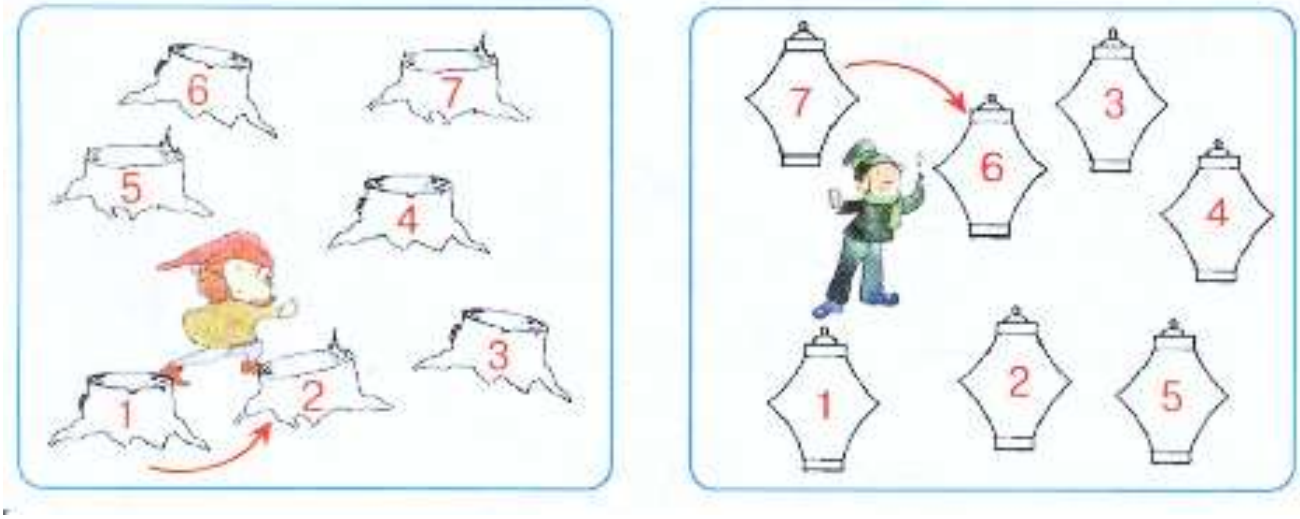
M + L = □ □ − □ = □

□ + □ = □ □ − □ = □

Problem 4. Guess what shape is missing.

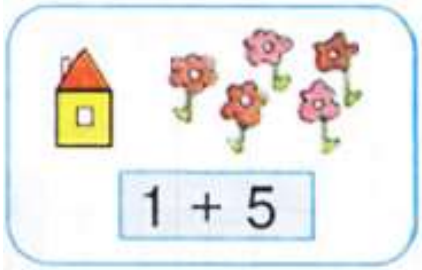


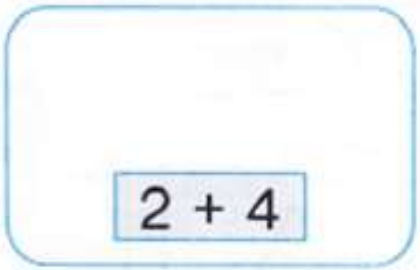
Problem 5. Figure out the rule and place the arrows.

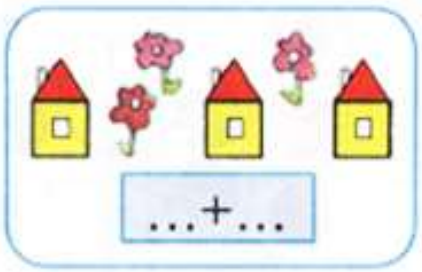


Problem 6. There were chicks and cats in a barn. A boy was trying to calculate the number of their legs. He counted 8 legs. How many cats and how many chicks were there? Draw a picture.

Problem 7. Draw a picture or write a number expression to match.

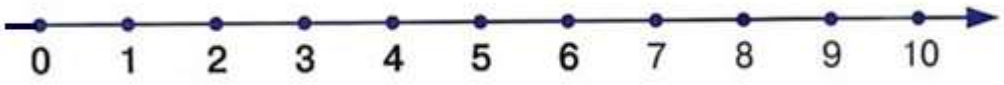


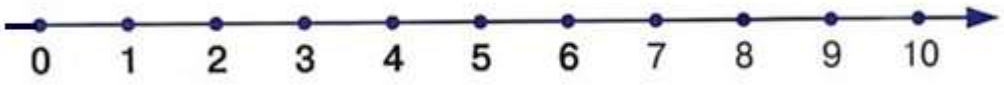


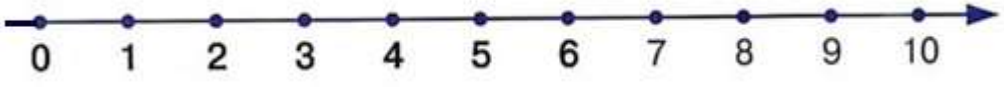


Problem 8. Add or subtract using the number lines.

4 + 2 = ☐	5 − 1 − 2 = ☐	3 + 3 − 1 − 4 = ☐
6 − 3 = ☐	2 + 3 − 4 = ☐	1 + 5 − 2 + 1 = ☐
3 + 1 = ☐	1 + 2 + 2 = ☐	5 − 3 + 4 − 3 = ☐







Problem 9. Finish the pattern. Write the numbers.

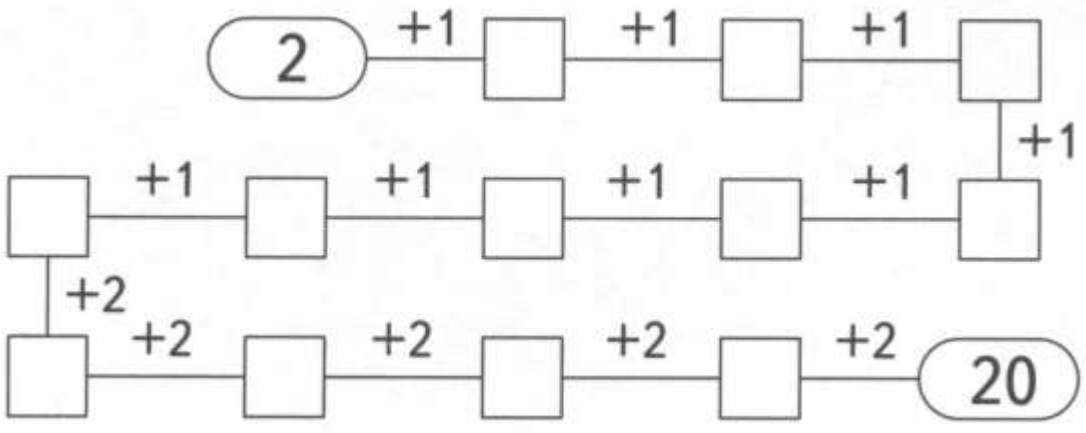
What numbers go before these numbers? Fill out the blanks.

	6		10		11		20
	9		14		12		16
	8		18		17		15

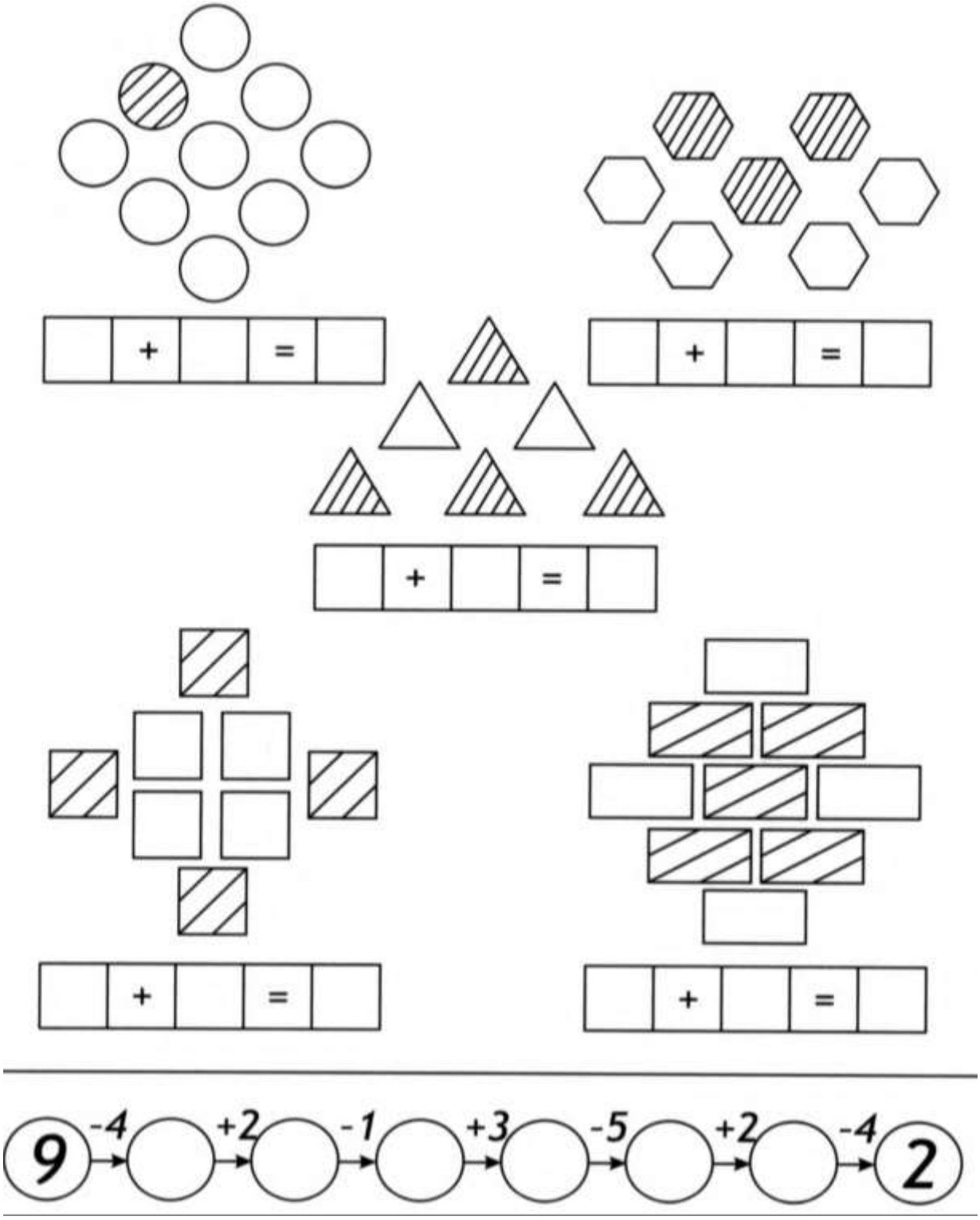
What numbers go after these numbers? Fill out the blanks.

2		5		16		17	
7		10		14		15	
0		13		19		11	

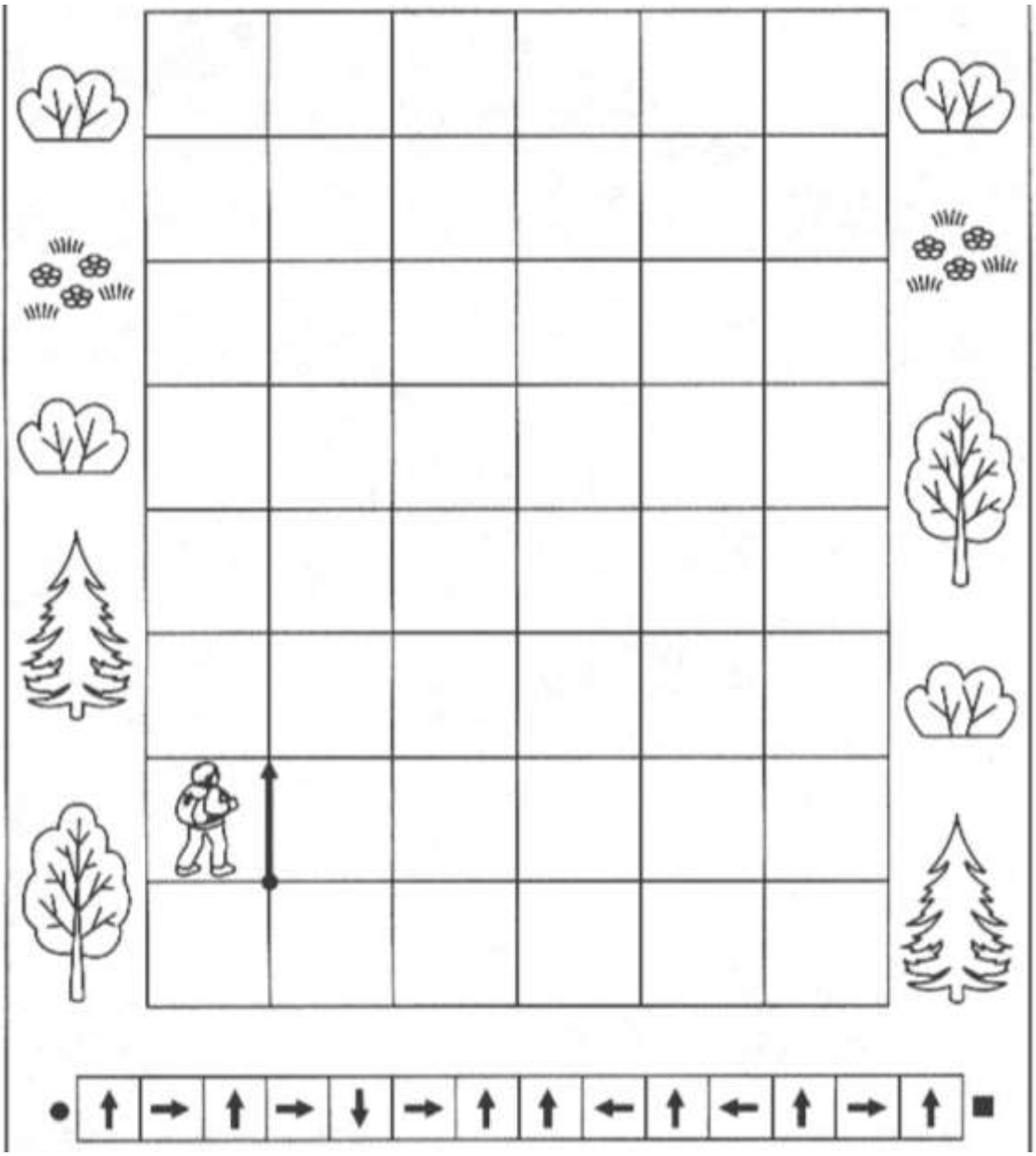
Solve:



Problem 10. Create number sentences based on the picture. Record.



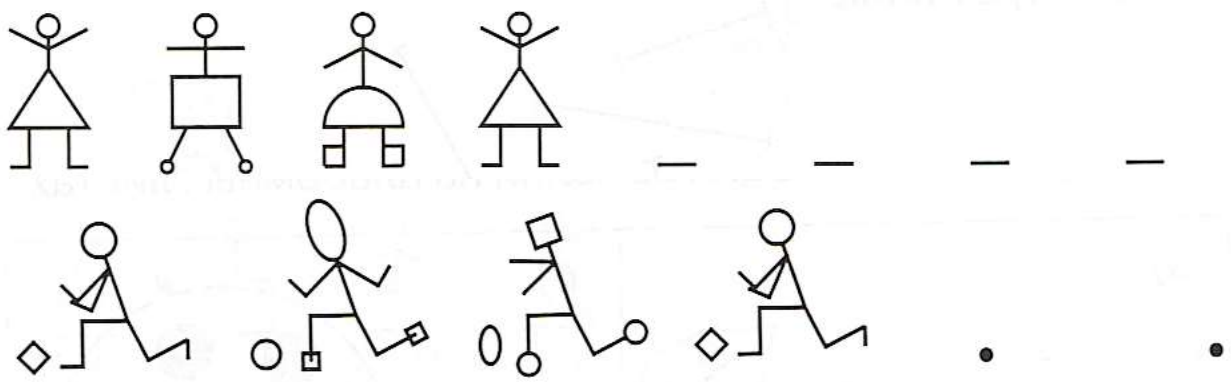
Problem 11. Follow the arrow path using the squares to find out where the boy wants to go.



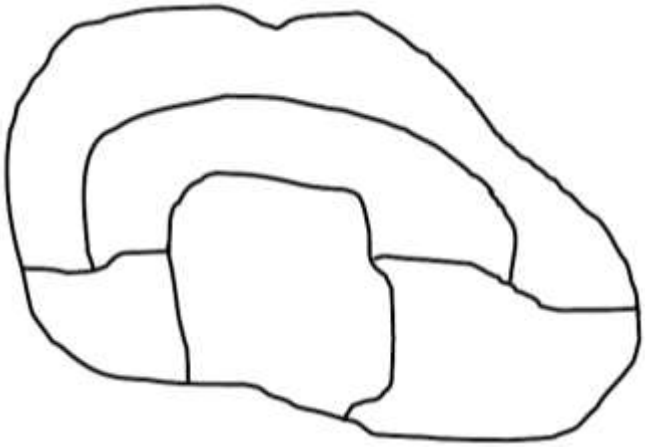
Math 0

Homework 22.

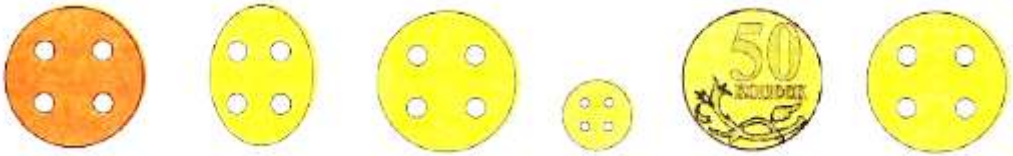
Problem 1. Continue the pattern.



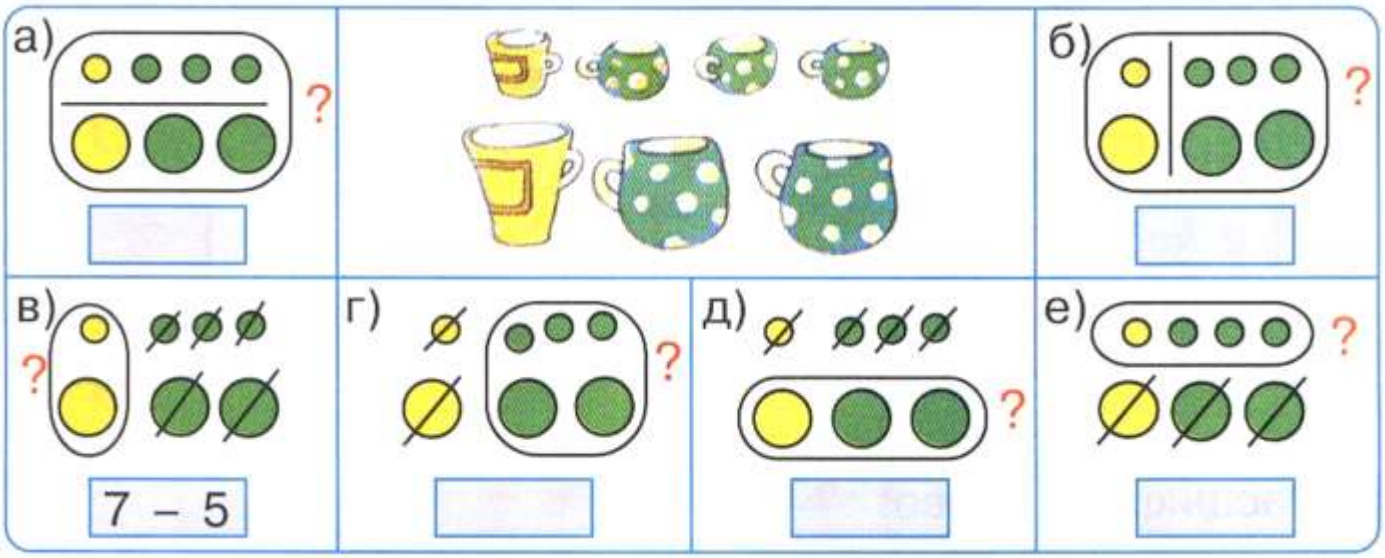
Problem 2. Color a picture in a way that the neighboring regions (areas) are colored differently. Use only 3 colors.



Problem 3. What does not belong and explain why.



Problem 4. Create problems based on the picture. Record each math expression.



Solve.

>, <, =

2 + 4 ☐ 4 + 2	7 – 3 ☐ 4 + 1	5 – 2 ☐ 7 – 1
5 + 2 ☐ 3 + 2	1 + 6 ☐ 3 + 4	7 – 1 ☐ 1 + 3

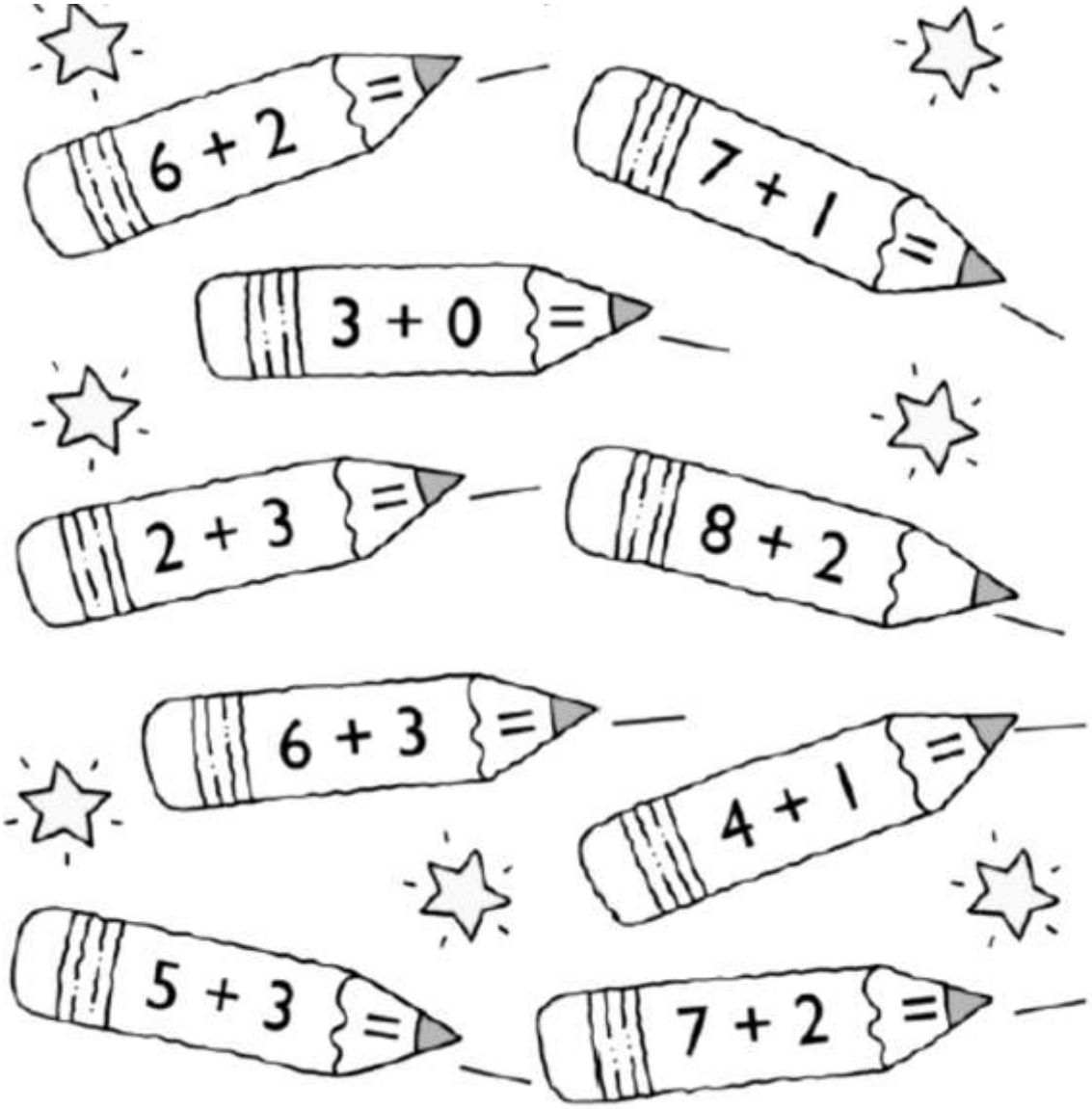
7 – 5 + 2 = ☐	3 – 2 + 5 = ☐	4 + 3 – 5 = ☐
2 + 1 + 3 = ☐	1 + 6 – 4 = ☐	7 – 2 – 4 = ☐

Decode a word. Put letters according to their numerical order.

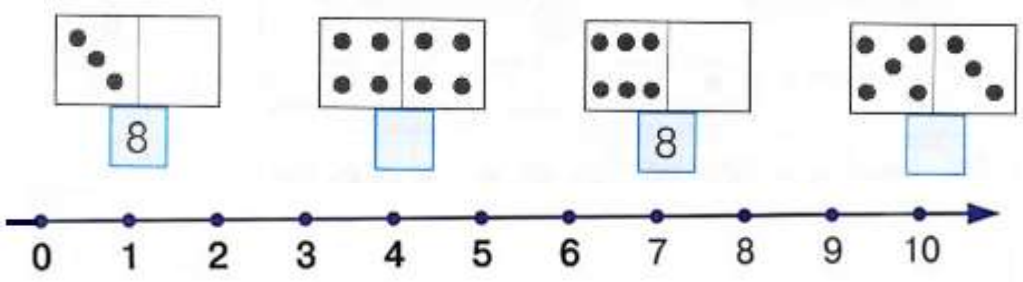
7 – 2 – 1 = ☐ **I**	4 – 1 – 2 = ☐ **F**	3 + 4 – 2 = ☐ **L**
5 – 4 + 1 = ☐ **A**	2 + 2 + 2 = ☐ **Y**	4 – 3 + 2 = ☐ **M**

☐☐☐☐☐☐

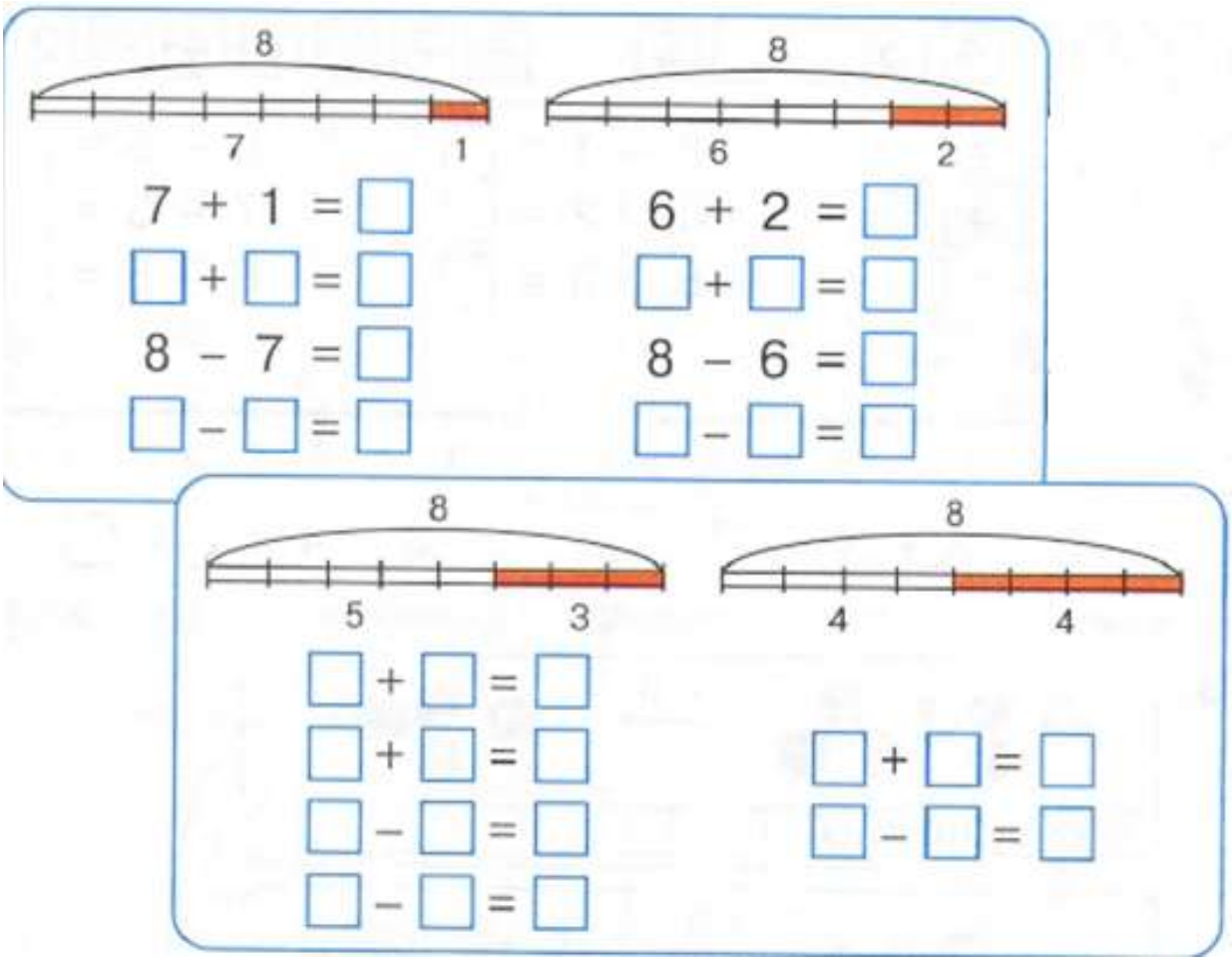
Problem 5. Solve the problems and color in YELLOW if the sum is equal to 3, in RED if the sum is equal to 5, in GREEN if the sum is equal to 8, in BLUE if the sum is equal to 9, in PURPLE if the sum is equal to 10.



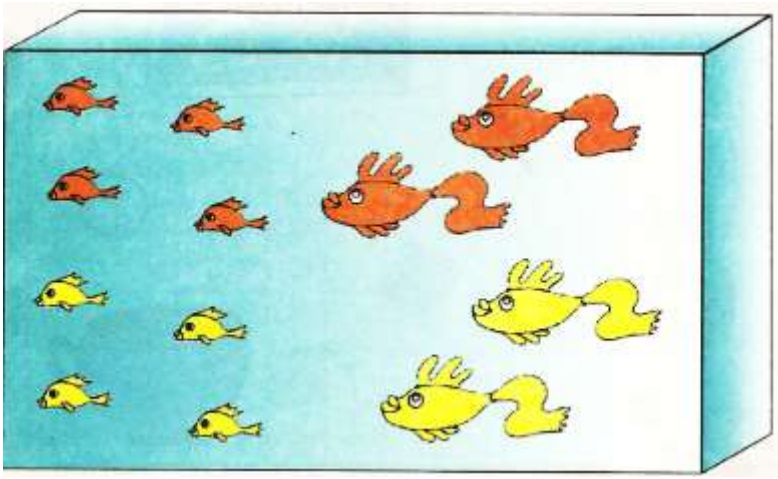
Problem 6. Complete to make 8.



Problem 7. Based on the picture below (the number lines), record your number sentences and solve them.



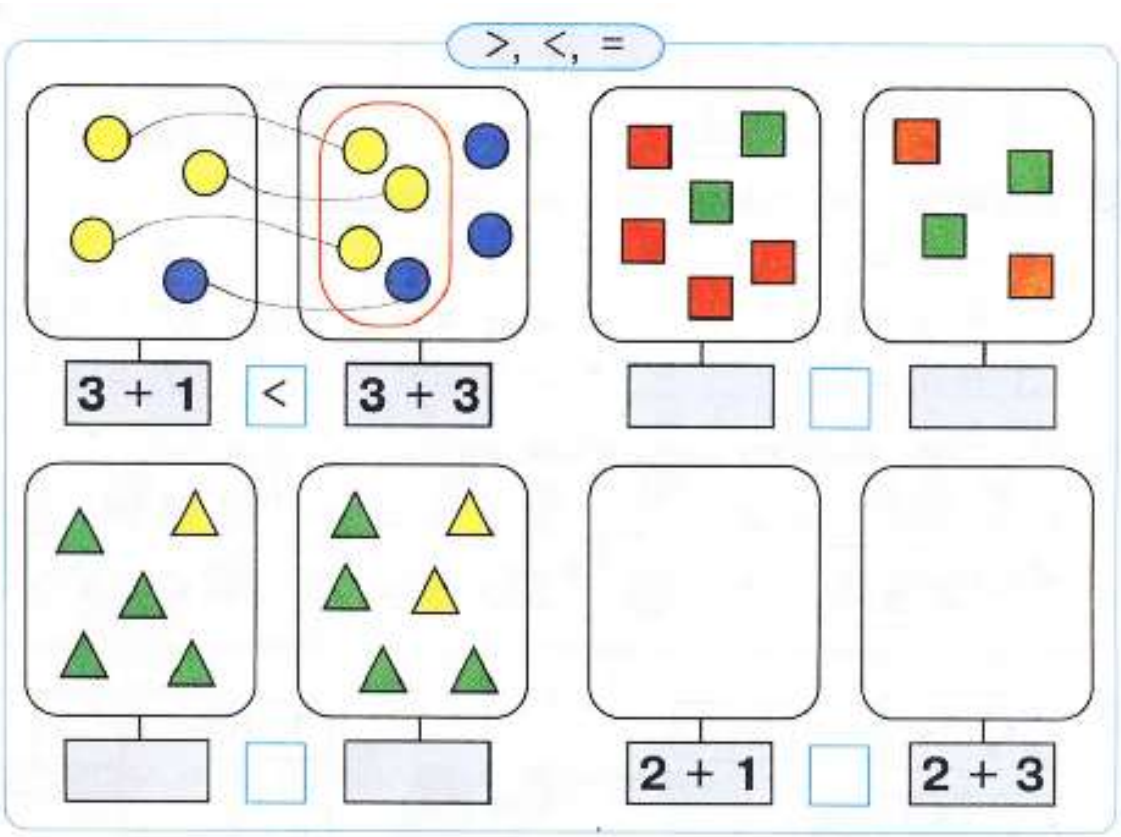
What common characteristics do the fish have? Using lines, divide the fish into groups according to their common characteristics (similarities). How many groups do you get?



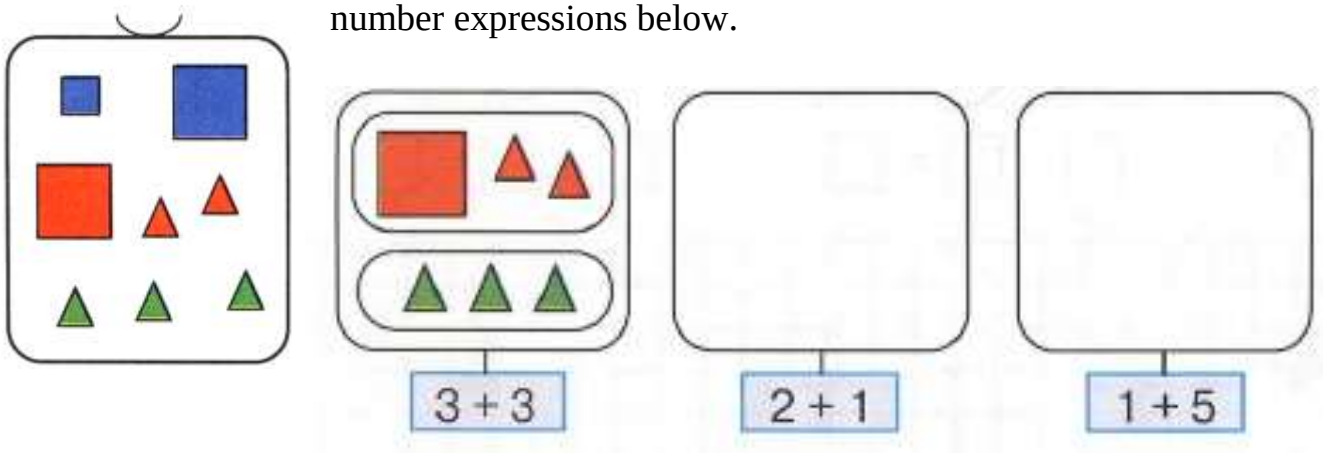
Problem 8. Fill out the missing numbers. Discuss what comes before and after.

4 ☐ 6	12 ☐ 14	18 19 ☐
7 ☐ 9	15 16 ☐	☐ 15 ☐
9 10 ☐	☐ 18 ☐	17 ☐ 19
☐ 9 10	11 ☐ 13	18 ☐ 20

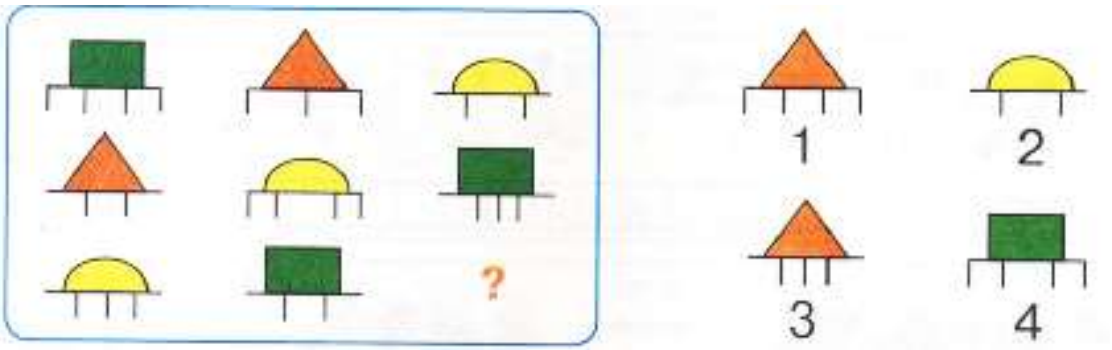
Problem 9. Record the number expression under each picture. Draw your own pictures to match the number expressions. Place “>”.”<” or “=” signs.



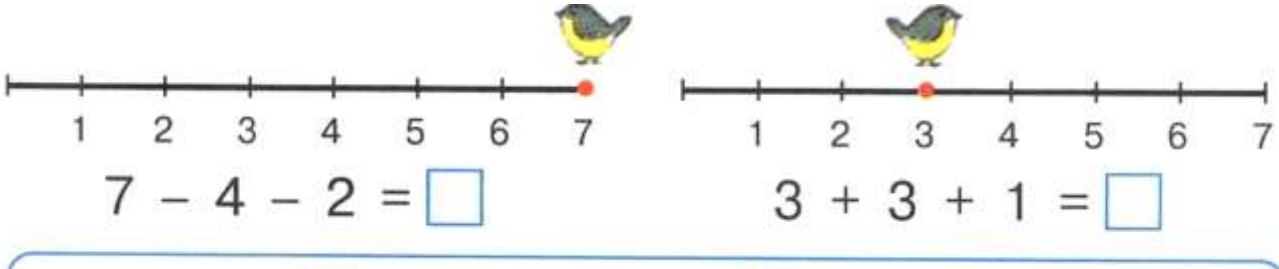
Choose figures from the first “bag” and draw them in the empty “bags” to match the number expressions below.



Problem 10. What shape is missing?



Problem 11. Solve.



7 – 5 + 2 = ☐ 3 – 2 + 5 = ☐ 4 + 3 – 5 = ☐

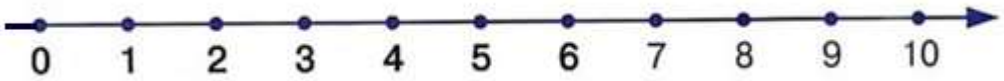
2 + 1 + 3 = ☐ 1 + 6 – 4 = ☐ 7 – 2 – 4 = ☐

Math 0. **Homework 24.**

Problem 1. Solve.

$3+1+5=\square$ $9-2-4=\square$ $4+1+3=\square$

$8-5+6=\square$ $7-3+2=\square$ $2+7-8=\square$

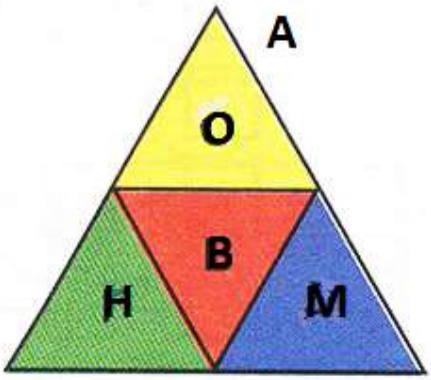


>, <, =

$3+4 \square 4+3$ $9-4 \square 9-6$ $7-4 \square 7+1$

$2+6 \square 2+7$ $8-3 \square 5-3$ $5+2 \square 2+4$

Fill out the missing letters in the empty boxes. Make true sentences.



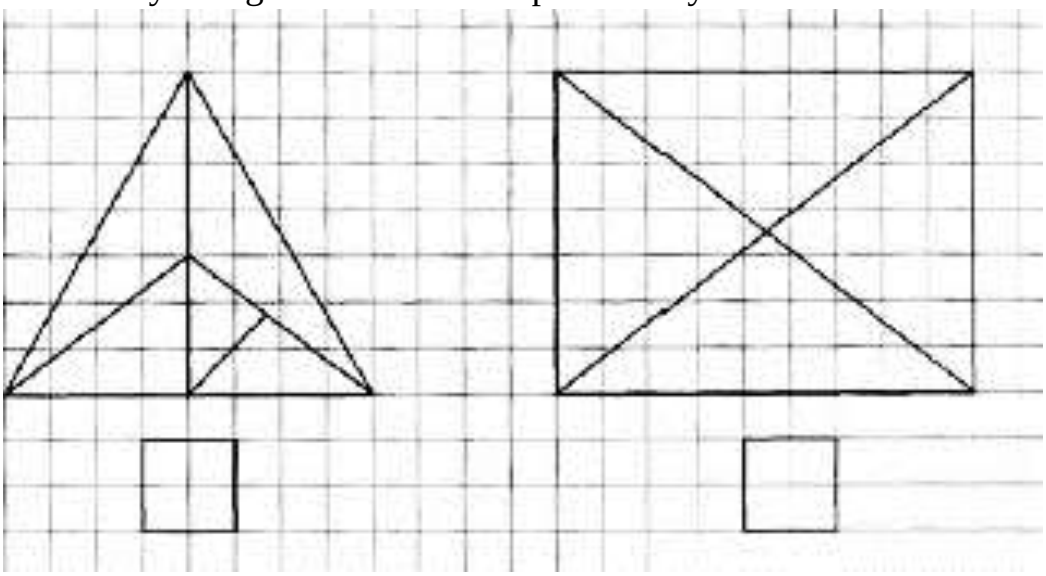
$A = \square + \square + \square + \square$

$A - O = \square + \square + \square$

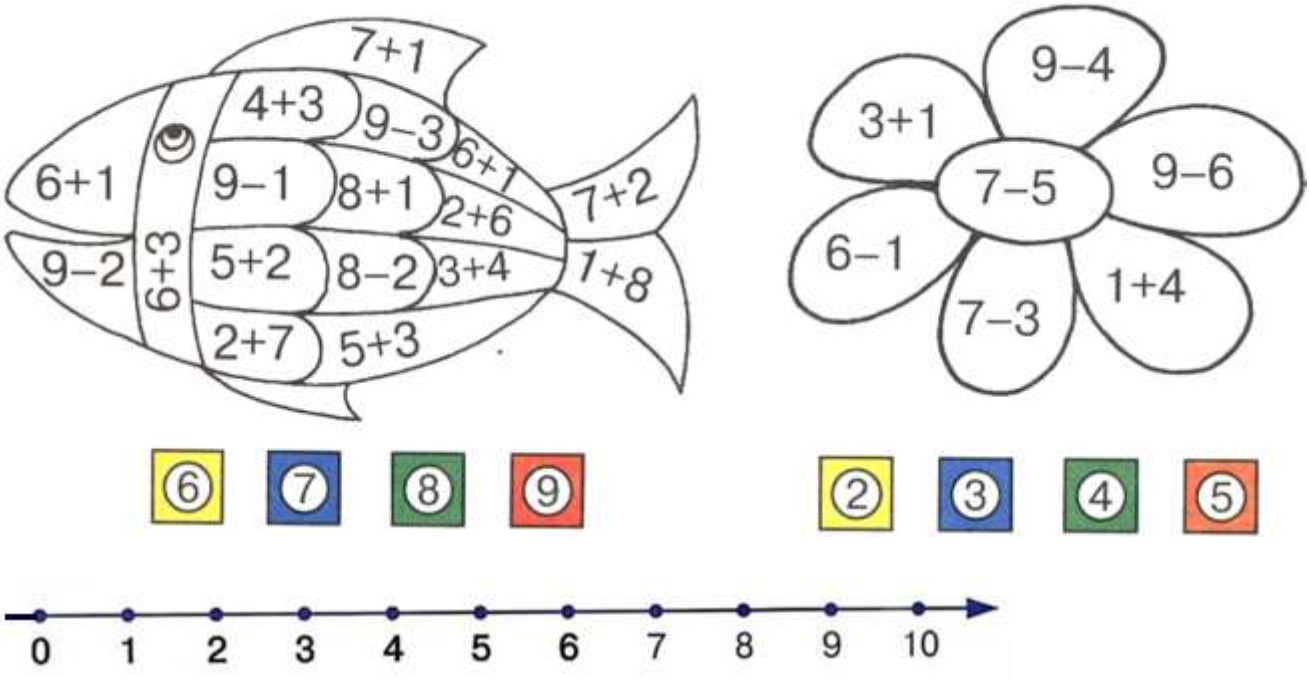
$\square - B = \square + \square + \square$

$O + M = \square - \square - \square$

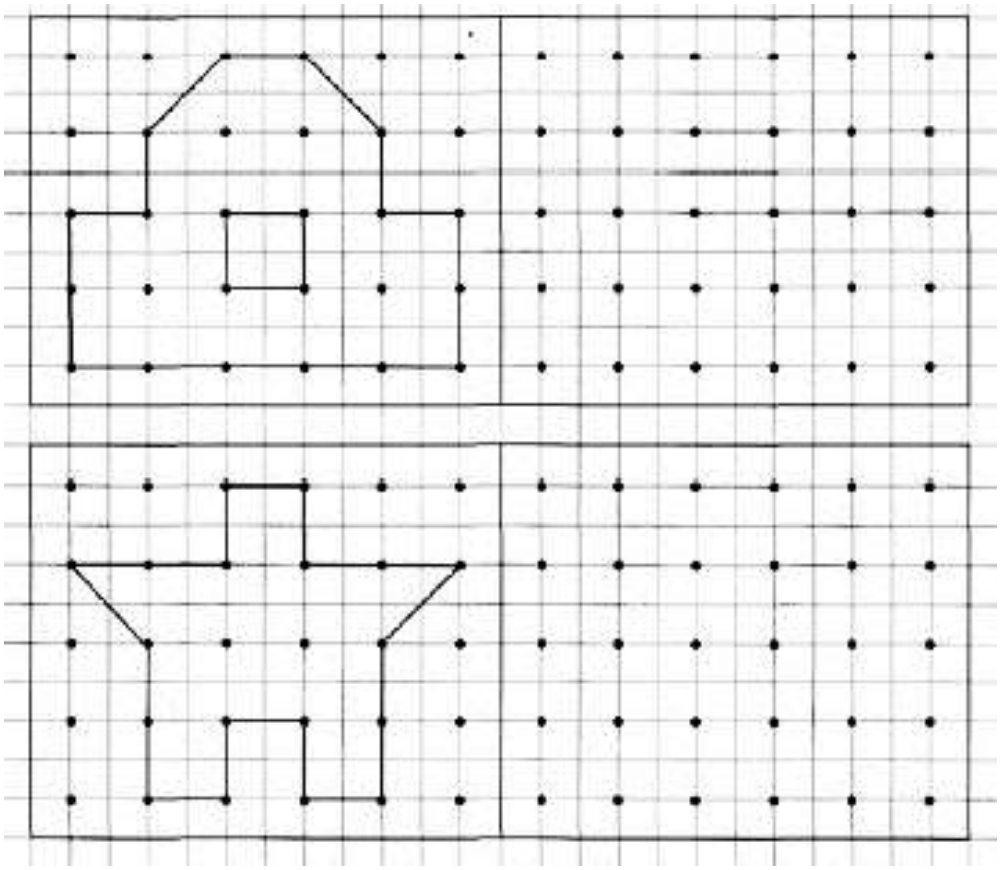
Problem 2. How many triangles make each shape? Write your answer under each picture.



Problem 3. Color in the pictures according to the color scheme.



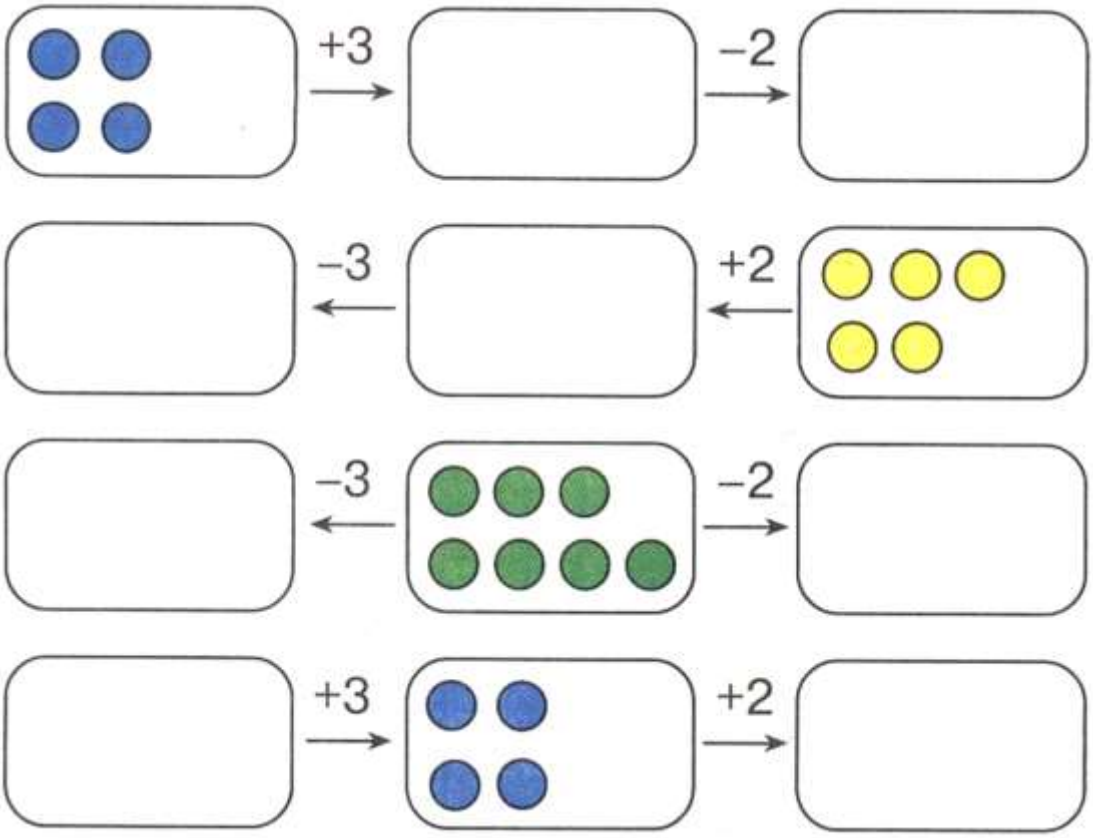
Problem 4. Copy each picture in the space provided.



Problem 5. Find the mistakes and correct the statements.

$8 = 8$	$4 + 3 = 8$	$2 + 7 = 9$	$8 - 2 > 8 - 3$
$7 > 4$	$3 + 1 < 6$	$6 - 4 > 3$	$5 + 1 < 5 + 4$
$3 < 1$	$7 + 1 = 1 + 7$	$5 < 5 + 4$	$9 - 7 = 9 - 6$

Problem 6. Draw dots in the empty "windows" according to the arrow operations.



Problem 7.

Decode a word.

Put letters according to their numerical order.

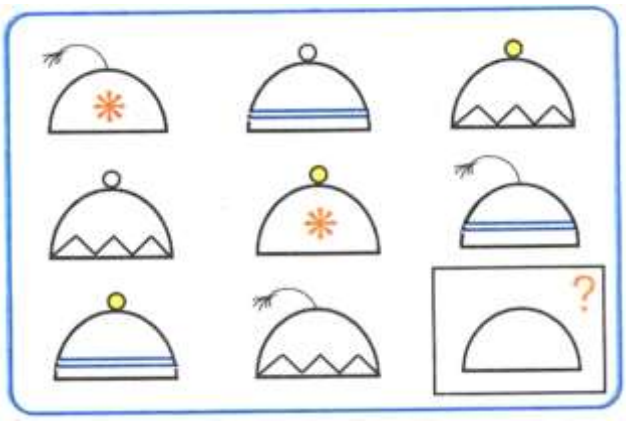
$4 + 5 - 6 =$ ☐ K

$6 - 5 + 3 =$ ☐ E

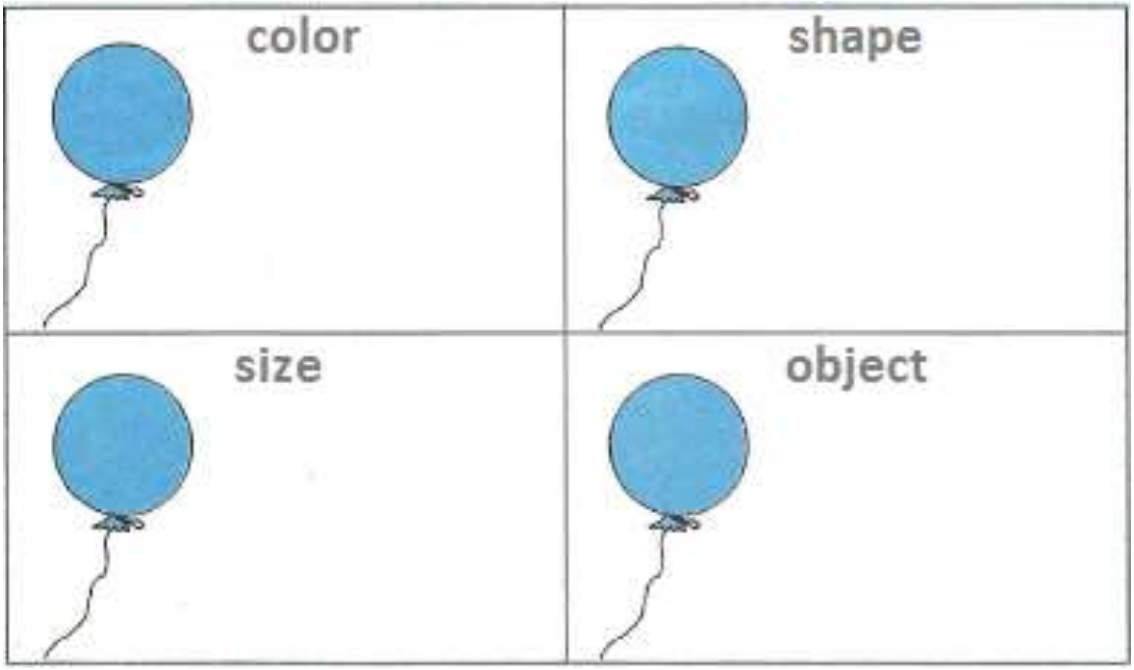
$3 + 6 - 7 =$ ☐ A

$9 - 5 - 3 =$ ☐ C

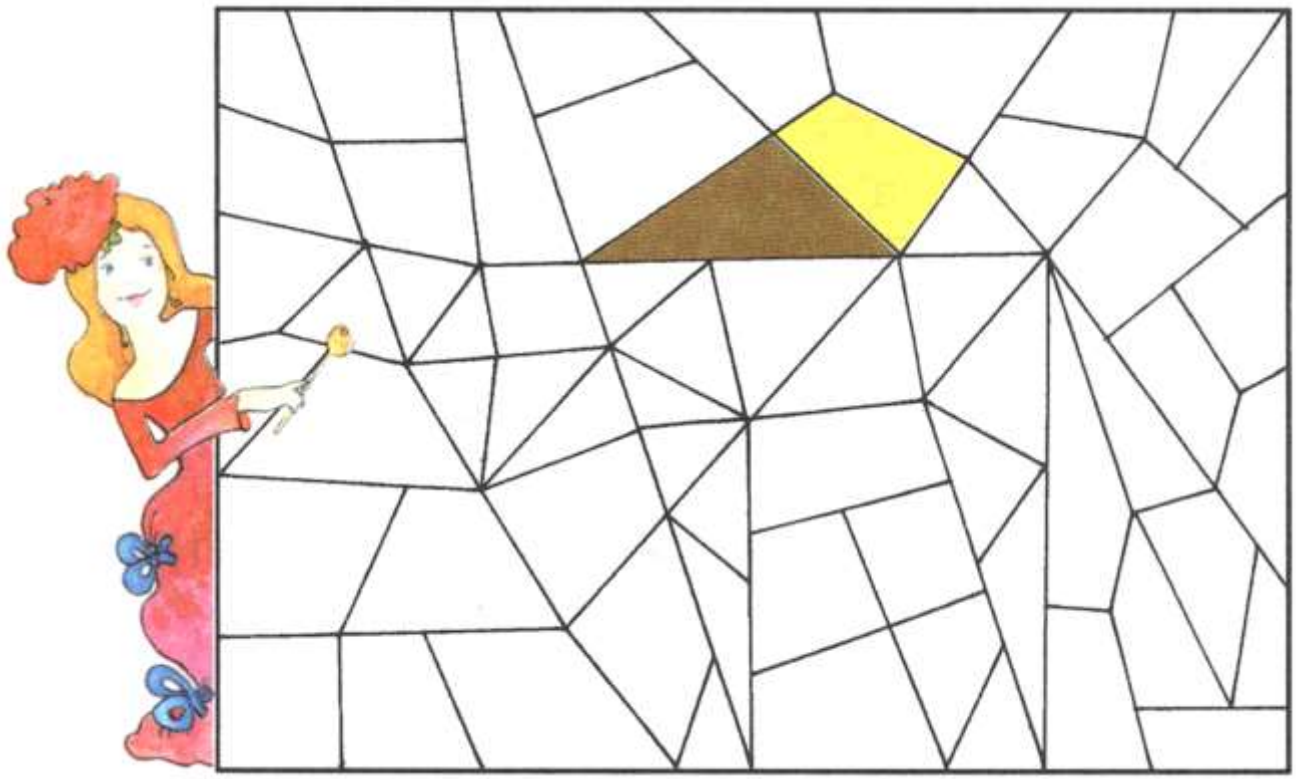
What hat is missing? Draw.



Problem 8. Draw. Change only:



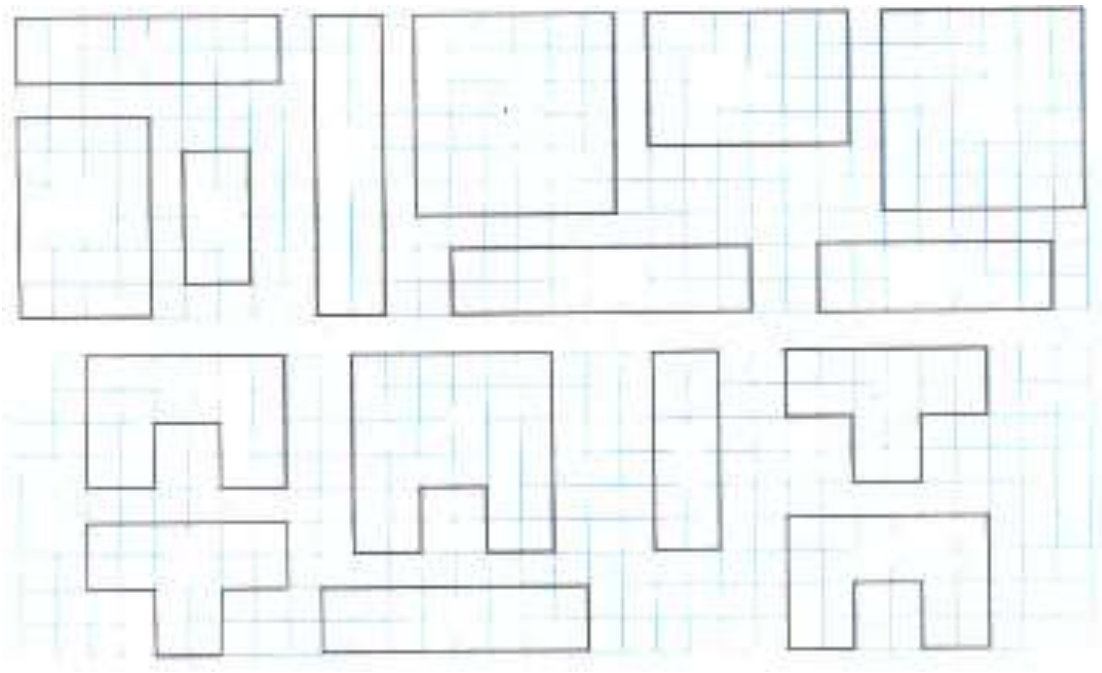
Problem 9. Color according to the scheme and find out who is hiding in the picture.



Math 0.

Homework 26.

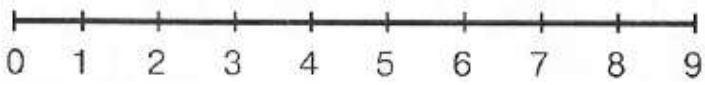
Problem 1. Find the matching shapes and color them in the same color. Each shape should have their own color.



Problem 2. Solve.

$3 + 1 + 5 = \square$ $\quad 9 - 7 + 4 = \square$ $\quad 9 - 8 + 3 + 2 = \square$

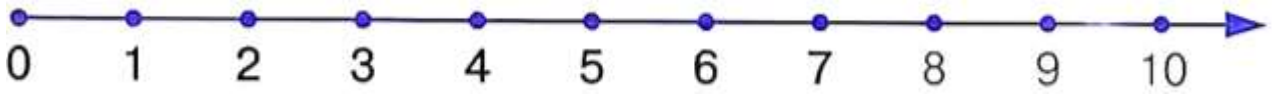
$8 - 2 + 1 = \square$ $\quad 6 + 3 - 1 = \square$ $\quad 5 + 2 - 6 + 7 = \square$



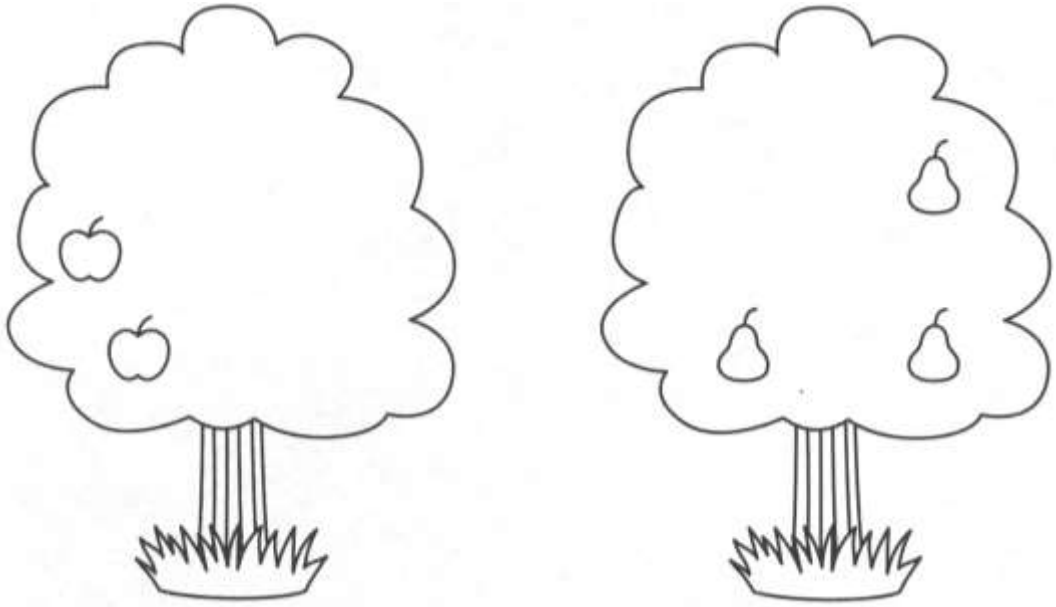
Problem 3. Challenge. Place "+" or "–"signs instead of "*" symbol.

$9 * 3 * 2 * 0 = 8$ $\quad 4 * 3 * 2 * 9 = 0$

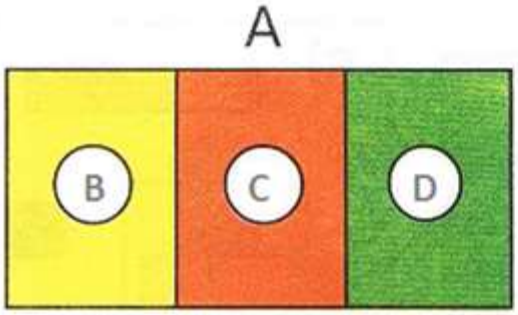
$2 * 1 * 7 * 3 = 5$ $\quad 7 * 2 * 6 * 1 = 2$



Problem 4. Add more apples and pears to each tree to make a total of 12 apples and 11 pears. How many more apples did you add? ☐ How many more pears did you add? ☐



Problem 5. Fill out missing letters to the empty boxes. Make true sentences.



A = B + C + D

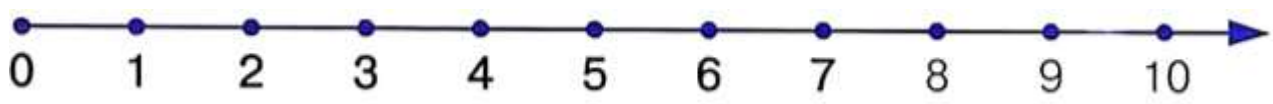
☐ − B = ☐ + ☐

A − C − D = ☐

B + C = ☐ − ☐

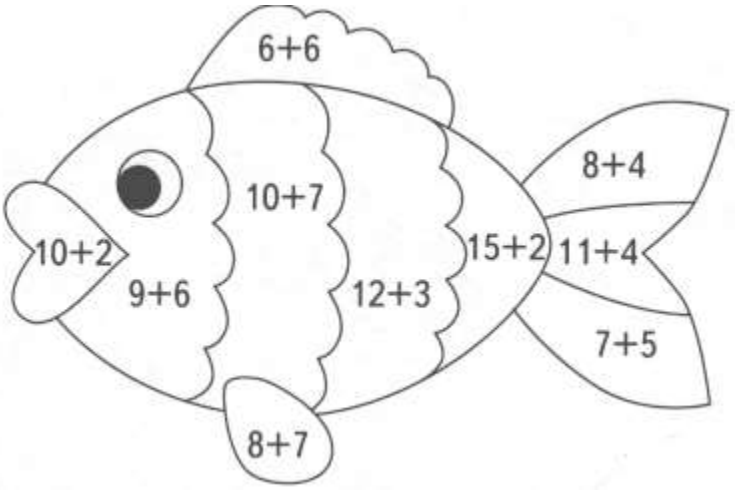
Problem 6. Solve.

9 + 1 = ☐	7 + 3 = ☐	10 − 0 = ☐	5 + 5 = ☐
10 − 3 = ☐	6 + 4 = ☐	10 + 0 = ☐	10 − 5 = ☐



Problem 7. Color fish according to the instructions below:

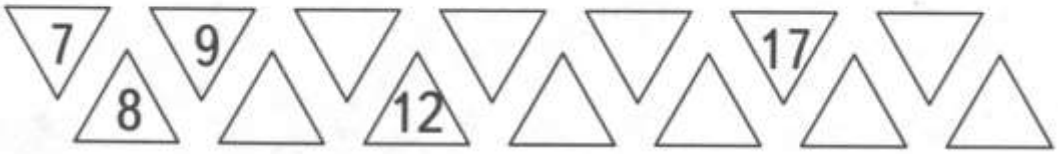
12 = RED 15= YELLOW 17=GREEN



Problem 8. Fill out the blank.

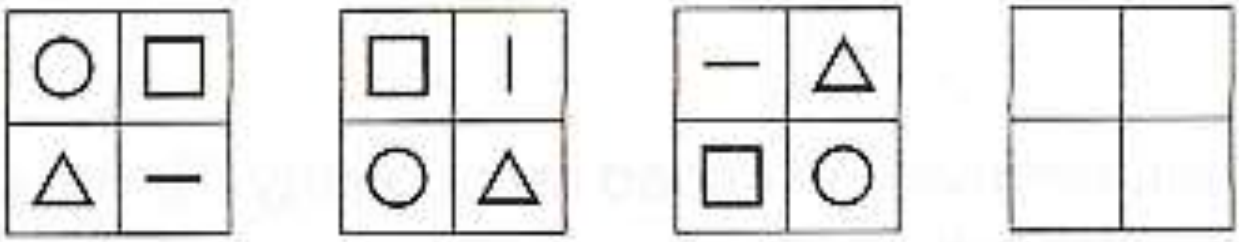
	10	11	12	13	14	15	16	17	18	19
+1	11									

	10	11	12	13	14	15	16	17	18
+2									

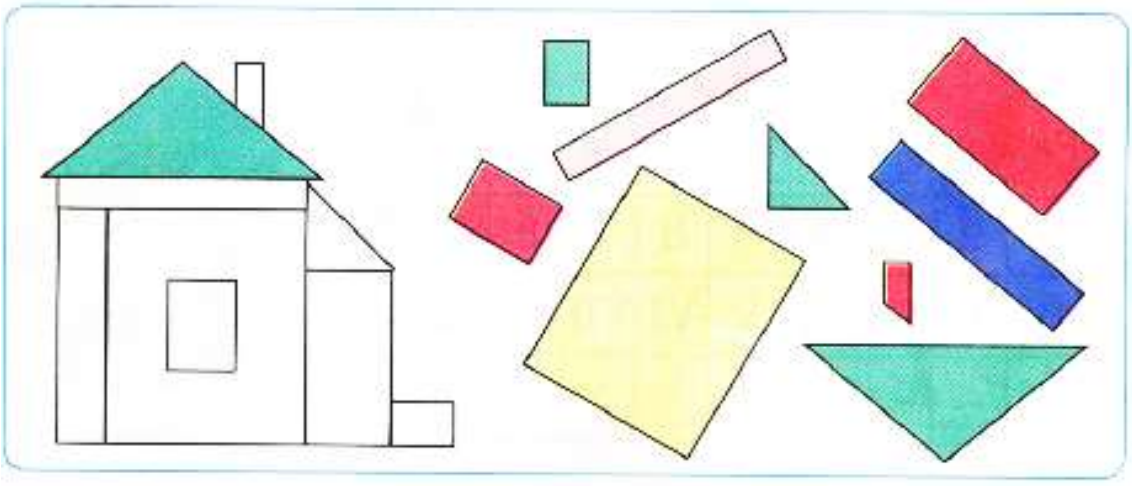


Problem 9. Help a student walk to school. Draw 2 different ways (draw a line through the dots): the shortest path and a longest. Use two different colors please.

Problem 10. Discover the pattern in the first three squares and fill in the 4th one.



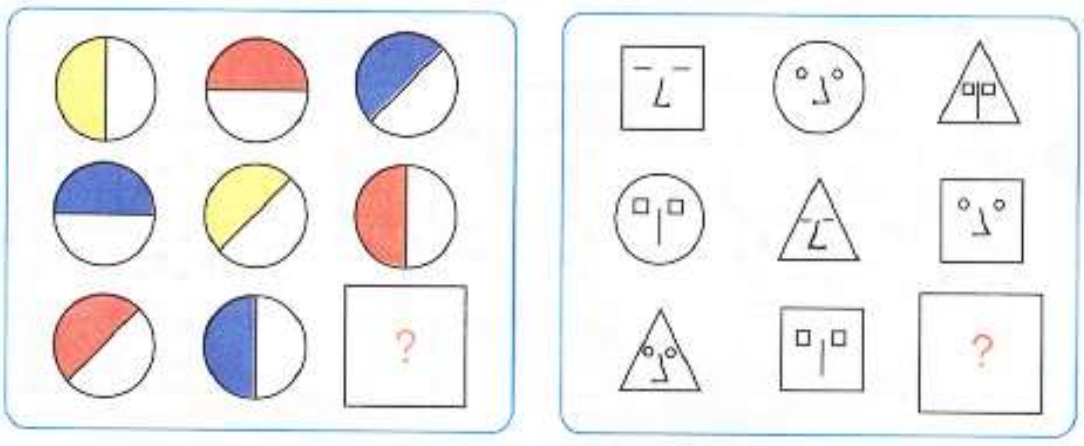
Problem 11. Color according to the instructions or cut and glue to make a picture.



Math 0.

Homework 28.

Problem 1. Find the pattern and finish it.

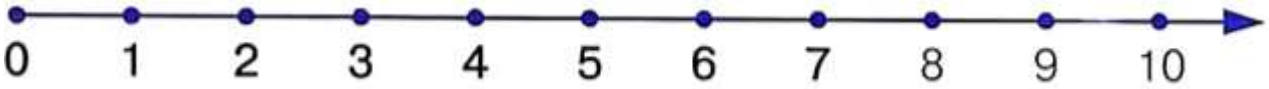


Problem 2. Solve.

$5 + \square = 8$ $\quad 1 + 3 - 2 = \square$ $\quad 8 - 2 - 5 + 6 = \square$

$\square - 6 = \square$ $\quad 9 - 5 + 0 = \square$ $\quad 3 + 4 - 2 + 1 = \square$

$7 - \square = 5$ $\quad 6 + 1 + 2 = \square$ $\quad 4 - 0 + 1 - 7 = \square$

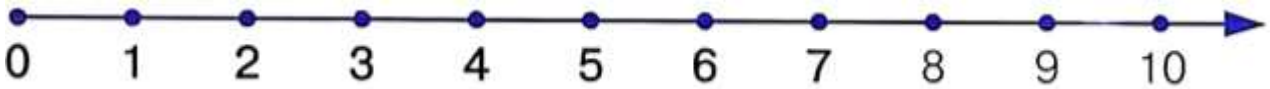


Decode a word. Put letters according to their numerical order. _____

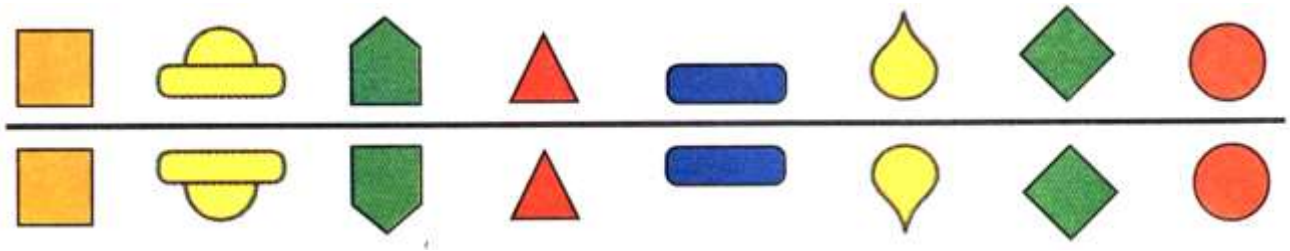
$7 + 0 + 1 - 4 = \square$ M $\quad 2 + 3 + 4 - 8 = \square$ S

$4 - 1 + 6 - 7 = \square$ U $\quad 9 - 9 + 5 - 0 = \square$ E

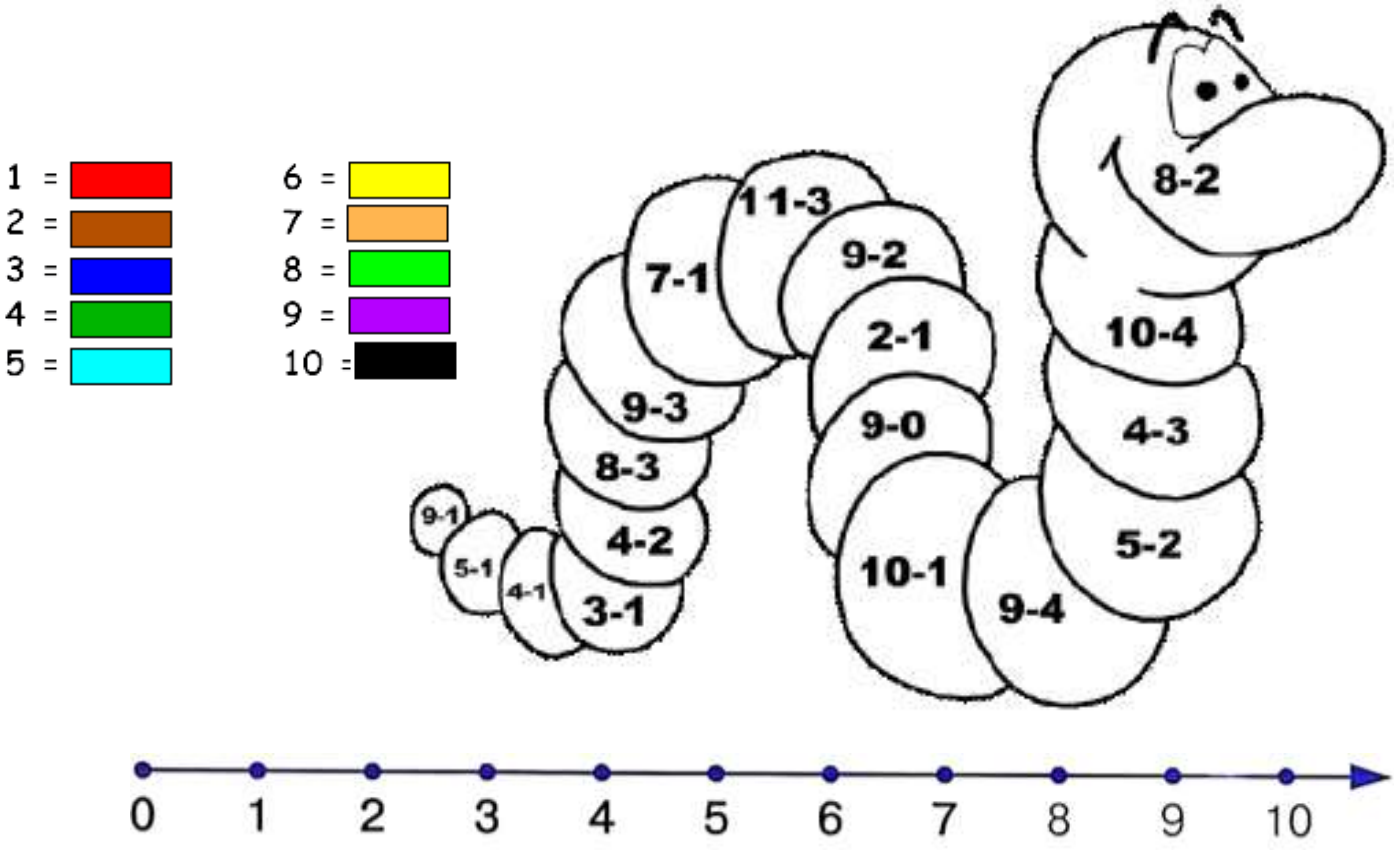
$7 - 5 + 1 + 3 = \square$ R $\quad 6 - 4 + 6 - 5 = \square$ M



Problem 3. What shape does not belong to the picture? Circle it.

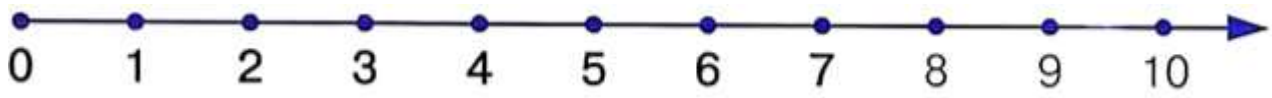


Problem 4. Solve the problems and color.

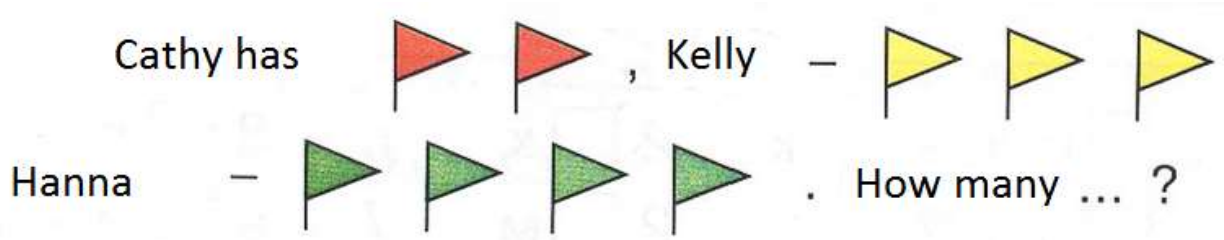


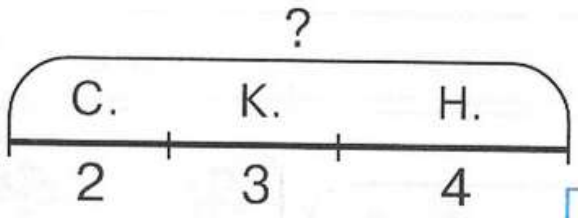
Problem 5. Challenge. Place "+" or "–"signs instead of "*" symbol.

9 * 5 * 2 = 2 4 * 1 * 3 = 8 7 * 2 * 8 = 1



Problem 6. Create math problem based on the picture.



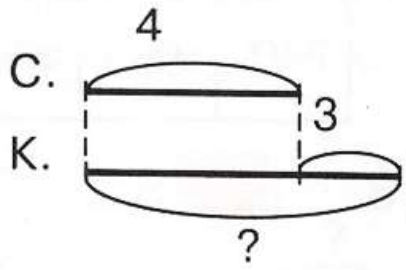


Solution: _____

Answer: _____

Problem 7. Draw the path that the Piglet can take when he goes to visit the Bear, if the pine trees should always be to the left side of him and flowers to the right.

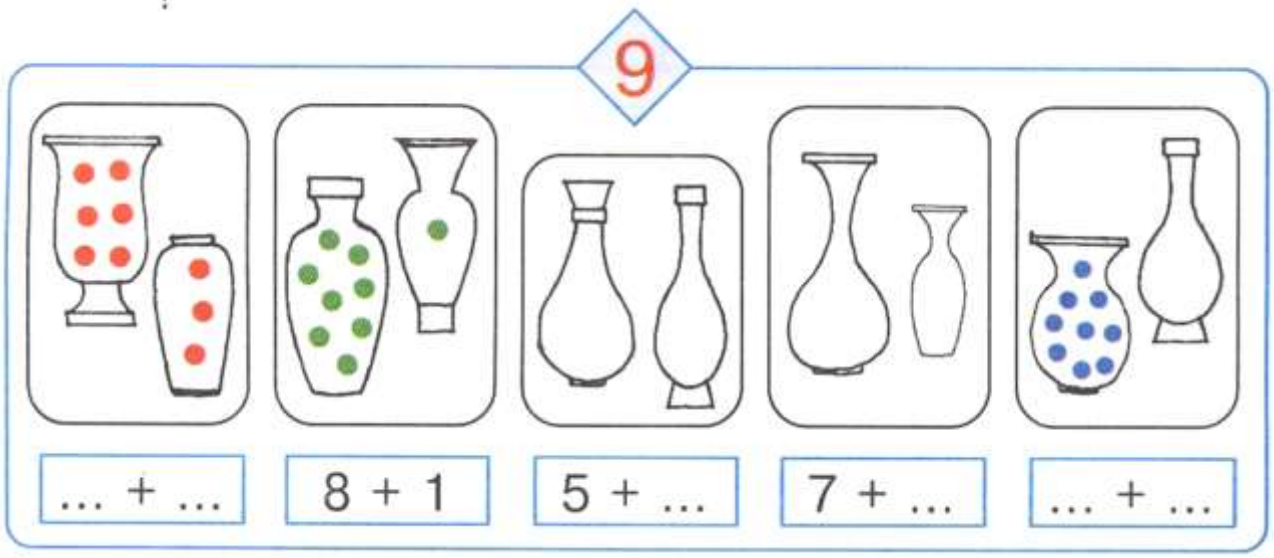
Problem 8. Cathy has 4 apples but Kelly has 3 apples more than Cathy. How many apples does Kelly have?



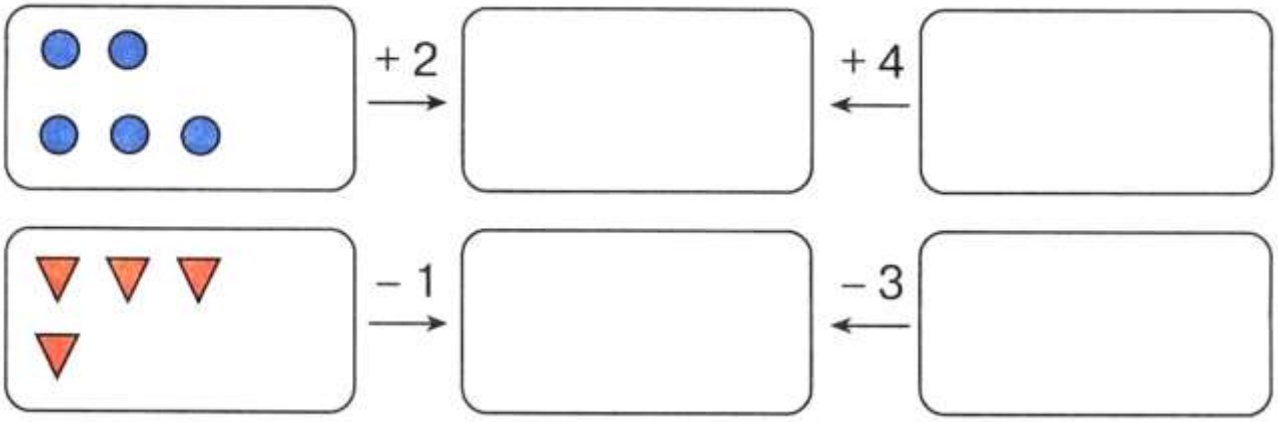
Solution: _____

Answer: _____

Problem 9. Add up to 9. Draw and write your solution.



Problem 10. Fill out dots in the "windows" according to the arrow operations.



Problem 11. There are 7 bears in the ZOO. There are 2 less bears than elephants. How many elephants are in the ZOO?

B.

E.

Solution: _____

Answer: _____

Construct: