

Name: _____

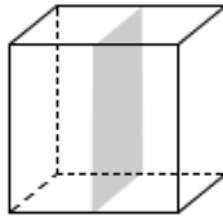
School: _____

Izzi Math Challenge 2025 - Grade 3

Part 1

Questions 1-5: Circle the letter of the correct answer.

1. What is the difference between 4590 and -2349 ?
a. 2241 b. 2341 c. 3251 d. 7039 e. 6939
2. Which row contains only prime numbers?
a. 2, 5, 9, 19, 29, 59
b. 3, 7, 13, 17, 41, 89
c. 2, 23, 39, 53, 83
d. 1, 2, 3, 5, 71, 97
e. 5, 7, 13, 23, 33, 73
3. This is a drawing of one plane of symmetry in a cube.

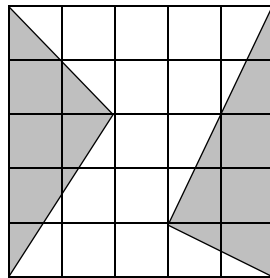


How many planes of symmetry are there in a cube altogether?

- a. 3 b. 4 c. 9 d. 12 e. 15
4. Circle the letter of the wrong statement.
a. $\frac{1}{2} = 0.5 = 50\%$
b. $78\% = \frac{1}{78} = 0.78$
c. $\frac{3}{4} = 75\% = 0.75$
d. $\frac{1}{10} = 0.1 = 10\%$
e. $42\% = \frac{21}{50} = 0.42$

5. Find the total area of the two shaded triangles.

One square of the net has a side of 1 cm.



- a. 5 cm^2 b. 10 cm^2 c. 15 cm^2 d. 20 cm^2 e. 25 cm^2

Part 2

Questions 6-10: Write the correct answers. Follow the instructions carefully.

6. Veronica has a collection of coins.

The number of coins in her collection is written with 2 digits. When she counted the coins into piles of 4, she had 2 coins left over. When she counted them into piles of 5, she had 1 coin left over. How many coins might she have?

Write all possible answers and explain your thinking.

7. Using only the addition and subtraction operations, write a sign in each circle to complete the equations.

a. $13 \bigcirc 12 \bigcirc 9 \bigcirc 7 = 3$

b. $13 \bigcirc 12 \bigcirc 9 \bigcirc 7 = 23$

c. $13 \bigcirc 12 \bigcirc 9 \bigcirc 7 = 17$

d. $13 \bigcirc 12 \bigcirc 9 \bigcirc 7 = 41$

8. Write the following digits in the empty rectangles to complete the equation.
You are allowed to use each digit only once.

2 3 5

$$\square 4 \times 4 = \frac{1}{\square} \text{ of } 4 \square 2$$

9. Combine triangles to create new shapes.
There might be more than one answer, write as many as you can.



Write the names of the quadrilaterals you get when you:

- a. Place together two equilateral triangles.

Answer: _____

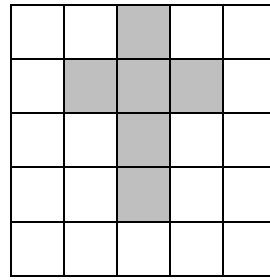
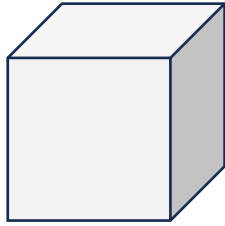
- b. Place together three equilateral triangles.

Answer: _____

- c. Place together four isosceles, right-angle triangles.

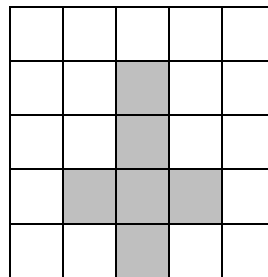
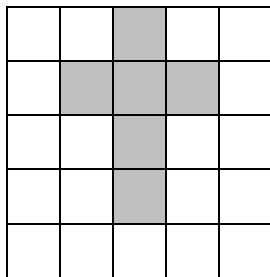
Answer: _____

10. These are a cube and a net of a cube.



There are 11 different nets of a cube in total.

These two nets are considered the same:



Shade in squares to complete eight of these nets, so they are different from each other and from the net above.

