



Which one of the following figures can be made by placing these two transparent squares on top of each other? You can rotate both squares.



Lisa has 4 puzzle pieces, but she only needs 3 for her puzzle frame. Which one will be left over?



Charles cut a rope into three equal pieces and then made some identical knots on the pieces. Which figure correctly shows the three pieces with the knots?



1 ice-cream cone costs 1 dollar. There is a sale so you can buy 6 ice-cream cones for 5 dollars. How many ice-cream cones at most can you buy with 36 dollars?



(A) 36 (B) 30 (C) 42 (D) 43 (E) 45 **Answer:**

A student had some sticks with a length of 5 cm and a width of 1 cm. With the sticks he constructed the fence below. What is the length of the fence?

(cm - a unit of length used in Europe and around the world)



Simon has two identical tiles as shown below:



Which pattern can he make with those two tiles if he is only allowed to rotate them?



A kangaroo always does ten jumps within one minute. Then he has a three minute break. How many minutes does he need in order to do 50 jumps?

(A) 4 (B) 5 (C) 16 (D) 17 (E) 21

Each one of the four keys locks exactly one padlock. Every letter on a padlock stands for exactly one digit. Same letters mean same digits. Which letters must be written on the fourth padlock?



Which structure is built using 10 cubes?



Five dragons named Dodo, Pepe, Ritchi, Buro and Fifi lived each in his own cave.



Dodo and Pepe had only one neighbour. Ritchi lived in the cave with a triangle. Buro did not have a tree in front of his cave. Pepe lived next to Buro. Which cave did Fifi live in?



Eric had ten equal metal strips.



He screwed pairs of them together into five long strips as shown below.



Which strip is the shortest?

(A) A (B) B (C) C (D) D (E) E

Put the numbers 1, 2, 3, 4, 5 in the boxes so that everything is correct.



Which number goes into the box marked with the question mark?

(A) 1 (B) 2 (C) 3 (D) 4 (E) 5 Answer:

The following six shapes were drawn on the six walls of a cube:



Below is what you see if looking at this cube from two positions.



Which shape is opposite to the Canadian Math Kangaroo logo





The first two scales in the picture are balanced. How many ducks are needed on the right side of the third scale, to balance with the crocodile?



Which of the shapes below should be placed on top of the shape



to make a rectangle?



Mary has 13 flowers, five of which are roses. The rest are tulips. Six of the flowers are white, and the remaining flowers are red. At least how many tulips are red?

(A) 1 (B) 2 (C) 3 (D) 4 (E) 5

A square was cut into four parts as shown in the picture below.



Which of the following shapes cannot be made with these 4 parts?



Ania makes a large cube from 27 small white cubes. She paints all the faces of the large cube. Then Ania removes four small cubes from four of the corners, as shown.



While the paint is still wet, she stamps each of the new faces onto a piece of paper. How many of the following five stamps can Ania make?



In a park there are babies in four-wheel strollers and children on two-wheel bikes. Paula counted wheels and the total was 12. When she added the number of strollers to the number of bikes, the total was 4.

How many two-wheel bikes are there in the park?

