

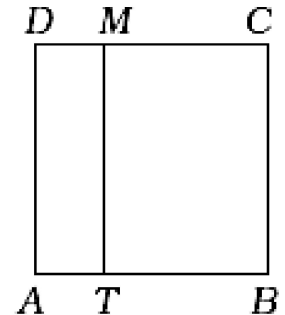
**Problem 1.**

Julia, Kasia, Zuzanna, and Helena have their birthdays on March 1st, May 17th, July 20th, and March 20th. Kasia and Zuzanna were born in the same month. Julia and Zuzanna were born on the same day of a month. Which of the girls was born on May 17th?

**Answer:**

**Problem 2.**

Quadrilateral  $ABCD$  is a square and its side is 10 cm long. Quadrilateral  $ATMD$  is a rectangle and its shorter side is 3 cm. What is the difference between the sum of the lengths of all the sides of the square and the sum of the lengths of all the sides of the rectangle?

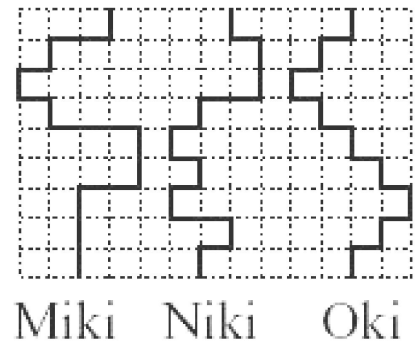


**Answer:**

**Problem 3.**

Three kangaroos: Miki, Niki, and Oki participated in a competition. Jumping at the same speed, they jumped along the lines you can see in the picture. Only one of the following sentences A, B, C, D and E is true. Which one?

- A. Miki and Oki finished at the same time.
- B. Niki finished first.
- C. Oki finished last.
- D. All kangaroos finished at the same time.
- E. Miki and Niki finished at the same time.



**Answer:**

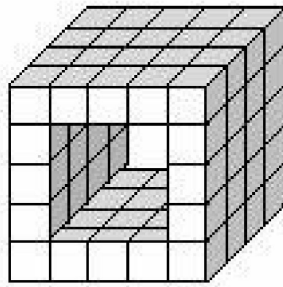
**Problem 4.**

Daughter is 3 years old, and her mother is 28 years older than the daughter. How many years later will the mother be three times older than her daughter?

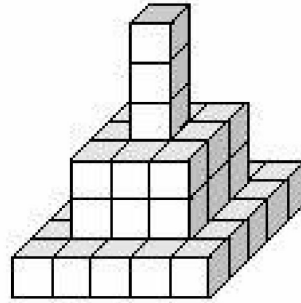
**Answer:**

**Problem 5.**

Robert had a certain number of identical cubes. He glued a tunnel using half of his blocks (see Picture 1). With some of the remaining cubes he formed a pyramid (see Picture 2). How many blocks were not used to build those structures?



**Picture 1**



**Picture 2**

**Answer:**

**Problem 6.**

A conductor wanted to make a trio consisting of a fiddler, a pianist, and a drummer. He had to choose one of two fiddlers, one of two pianists, and one of two drummers. He decided to try each of the possible trios. How many attempts did he have to make?

**Answer:**