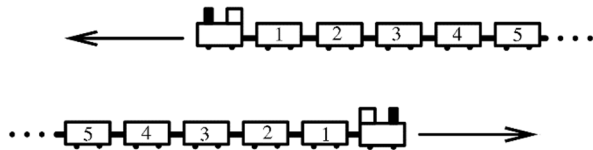
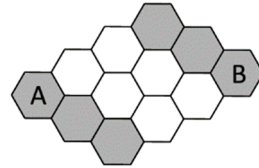


18. Two identical trains, each with 31 cars, are travelling in opposite directions. Type equation here. When car No. 19 of one train is opposite car No. 19 of the other, which car is opposite car No. 12?



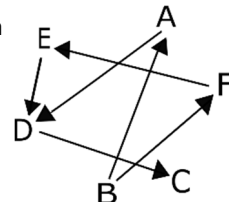
- (A) 7 (B) 12 (C) 21 (D) 26 (E) 31

19. The bee can walk only on grey cells. In how many ways could you colour grey just two white cells so that the bee can walk from A to B?



- (A) 3 (B) 4 (C) 5  
(D) 6 (E) 7

20. In the figure, cities are indicated by letters. An arrow pointing from one city to another means that the first city is larger than the second. For example,  $B \rightarrow A$  means that city B is larger than city A. Which is the smallest city?

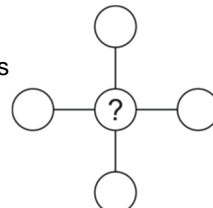


- (A) City A (B) City B (C) City C  
(D) City D (E) City E

21. There are some apples and 8 pears in a basket, each of them green or yellow. There are 6 yellow pears. There are 3 more apples than green fruits. How many yellow apples are there in the basket?

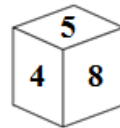
- (A) 4 (B) 5 (C) 6 (D) 7 (E) 8

22. Richard wrote each of the numbers 1, 2, 3, 4 and 5 in one of the circles so that the sum of the numbers in the row is equal to the sum of the numbers in the column. What could be written in the circle with the question mark?



- (A) Only 5 (B) 2, 3 or 4 (C) Only 3  
(D) Only 1 or 3 (E) 1, 3 or 5

23. Six different numbers chosen from 1 to 9 are written on the faces of a cube, one number on each face. The sums of numbers on each pair of opposite faces are equal. Which number could be opposite 5?

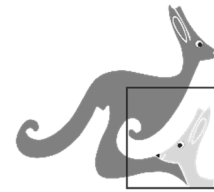


- (A) 3 (B) 5 (C) 6 (D) 7 (E) 9

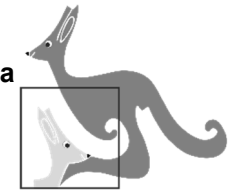
24. John and Olivia exchanged sweets. At first John gave Olivia as many sweets as Olivia had. Then Olivia gave John as many sweets as John had after the first exchange. After these two exchanges, each had 4 sweets. How many sweets did John have at the beginning?

- (A) 6 (B) 5 (C) 4 (D) 3 (E) 2

Laiks uzdevumu risināšanai – 75 minūtes!



Starptautiskā konkursa  
„Kengurs”  
uzdevumi

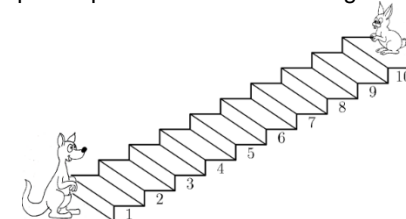


26.03.2020. /16.04.2020.

2. klases

3 point problems

1. The kangaroo goes up 3 steps each time the rabbit goes down 2 steps. On which step do they meet?

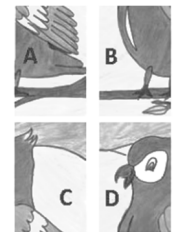
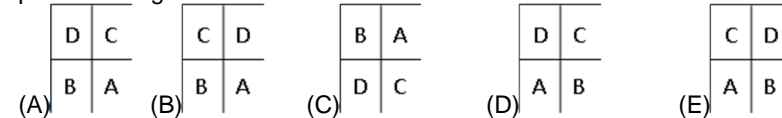


- (A) 3 (B) 4 (C) 5 (D) 6 (E) 7

2. Jim took a selfie in front of this castle . Which could be Jim's photo?



3. Nelly arranged the 4 pieces to make a picture of a bird. How are the pieces arranged?



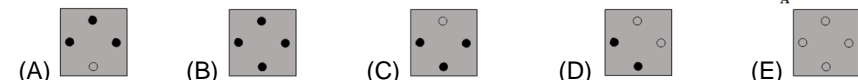
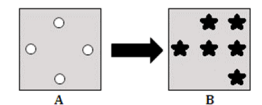
4. A magician is pulling toys out of his top hat always in the same order:



The pattern repeats every 5 toys. Which two toys come next?

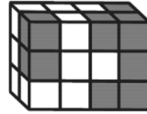


5. Joseph has two cards A and B. Card A has holes. Joseph places card A directly on top of card B. What can Joseph see?

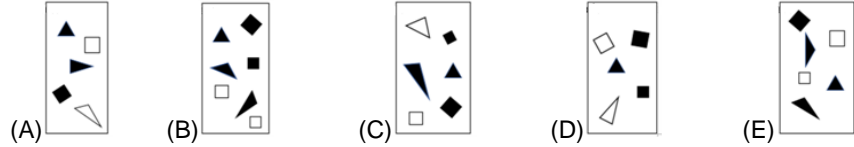


6. Mary made a shape using some white cubes and 14 grey cubes. How many of these grey cubes cannot be seen in the picture?

- (A) 1 (B) 3 (C) 5 (D) 6 (E) 8



7. Anna draws a picture of some shapes. Her picture has 3 black triangles and fewer than 4 squares. Which could be Anna's picture?



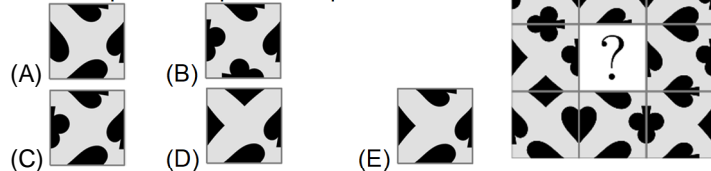
8. The braid in the figure is composed of three threads. One thread is black, one is white and one is gray. What can you say about the threads?

- (A) A is white, B is gray and C is black  
 (B) A is gray, B is black and C is white  
 (C) A is black, B is white and C is gray  
 (D) A is gray, B is white and C is black  
 (E) A is white, B is black and C is gray.



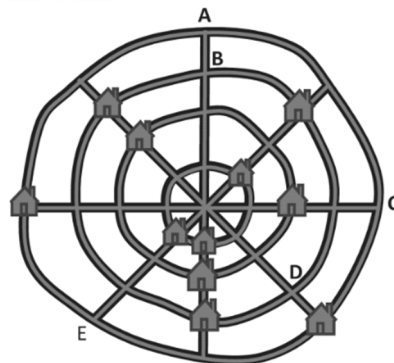
4 point problems

9. Which piece completes the picture?

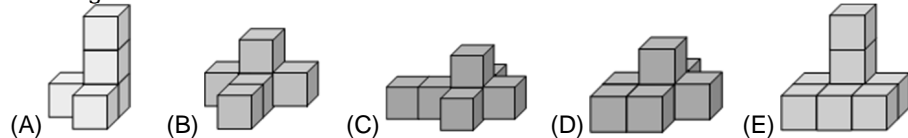


10. A village of 12 houses has four straight roads and four circular roads. The map shows 11 of the houses. On each straight road there are 3 houses. On each circular road there are also 3 houses. Where should the 12th house be put?

- (A) at A (B) at B (C) at C  
 (D) at D (E) at E

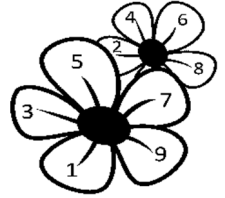


11. Five shapes are glued from the cubes. Which of these figures has the most cubes?

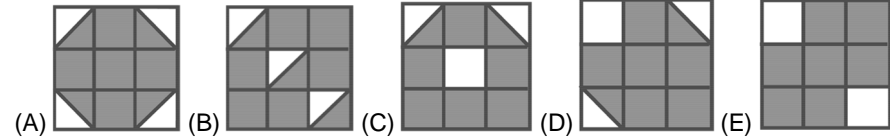


12. A number is written on each petal of two flowers. One petal is hidden. The sums of the numbers on the two flowers are equal. What number is written on the hidden petal?

- (A) 0 (B) 3 (C) 5  
 (D) 7 (E) 1



13. Which of the following figures has the largest shaded part?



14. Mary wants to write the numbers 1, 2, 3, 4, 5 and 6 inside the six squares of the figure. She wants a different number in each square. She wants the sum of the numbers in the three dark gray squares to be 10. She also wants the sum of the numbers in the two light gray squares to be 10. What number must she write in the square with the question mark?

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



15. This card lies on the table . It is flipped over its top edge then flipped over its

left edge: . What does the card look like after the two flips?

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

16. Grandmother has just baked 12 cookies. She wants to give all of the cookies to her 5 grandchildren but also wants to give each of the grandchildren the same number of cookies. How many more cookies should she bake?

- (A) 0 (B) 1 (C) 2 (D) 3 (E) 4

5 point problems

17. Tom has 9 cards:

He starts putting them on the board so that each row and column has one card with each geometrical shape and one with each number. Which card should go on the grey square?

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

