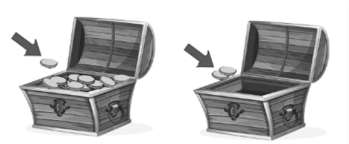
20. A pirate has two chests. There are 10 coins in the left chest and the other is empty. Starting tomorrow, the pirate will put 1 coin in the left chest and 2 coins in the other one every day. In how many days will the two chests have the same number of coins?



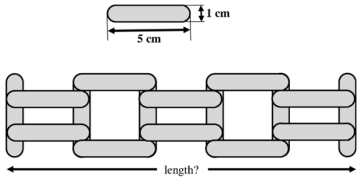
(A) 5 (B) 8 (C) 10 (D) 12 (E) never

Uzdevumi tiks vērtēti ar 5 punktiem

21. Alice has 3 white, 2 black and 2 grey pieces of paper. She cuts every non-black piece of paper in half. Then she cuts every non-white piece of paper in half. How many piece of paper will she have?

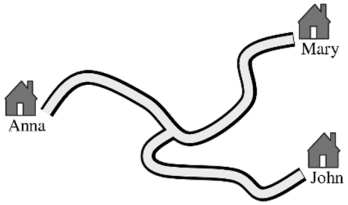
(A) 14 (B) 16 (C) 17 (D) 18 (E) 20

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



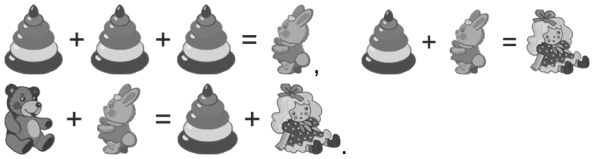
(A) 20 cm (B) 21 cm
(C) 22 cm (D) 23 cm (E) 25 cm

23. The road from Anna's to Mary's house is 16 km long. The road from Mary's to John's house is 20 km long and the road from the crossroad to Mary's house is 9 km long. How long is the road from Anna's to John's house?



(A) 7 km (B) 9 km (C) 11 km (D) 16 km (E) 18 km

24. Nelly bought 4 toys in the store. Their costs satisfy the equalities:



and

What are the cheapest and the most expensive toys?

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

Laiks uzdevumu risināšanai – 75 minūtes!

Starptautiskā konkursa
„Ķengurs”
uzdevumi

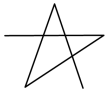
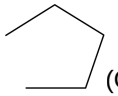
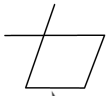
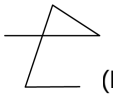
22.03.2018. 2. klase

Uzdevumi tiks vērtēti ar 3 punktiem

1.  What do you get when you invert the colours?

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

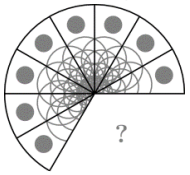
2. Alice draws a figure connecting the ladybirds in the order of increasing number of their dots. She starts with the ladybird with one dot. Which figure will she get?

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

3. Mary glued 4-ray stars like this  . At least, how many stars did she use?

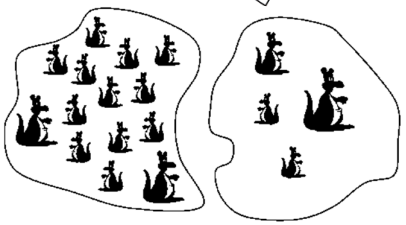
(A) 5 (B) 6 (C) 7 (D) 8 (E) 9

4. This pizza was divided into equal parts. How many parts have been taken?



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

5. How many kangaroos must be moved from one park to the other in order to get the same number of kangaroos in both parks?

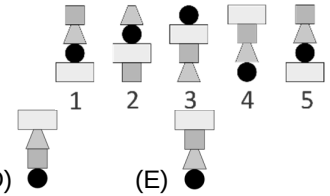


(A) 4 (B) 5
(C) 6 (D) 8 (E) 9

6. Which of these ladybirds has to fly away so that the rest of them have 20 dots in total?

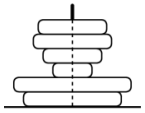
(A)  (B)  (C)  (D)  (E) 

7. Emilie builds towers in the following pattern: . Which one will be the figure number 16?



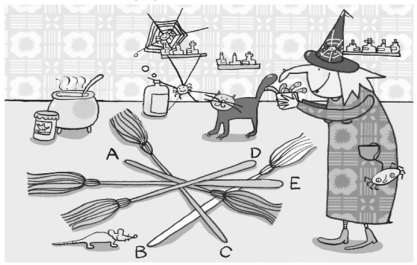
(A)  (B)  (C)  (D) (E)

8. Little Theodor assembled a stacking toy as in the picture. How many rings will he see looking at it from above?



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

9. Juana, the friendly witch, has 5 broomsticks in her garage. She removes the broomsticks one by one without moving the others. Which broomstick will Juana take at last?



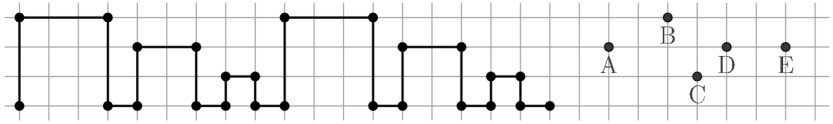
(A) A (B) B
(C) C (D) D (E) E

10. The two transparent squares are put on top of each other. What can you see?

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

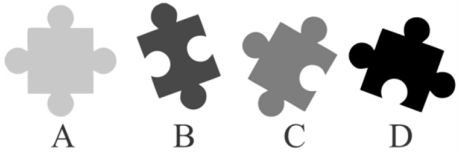
Uzdevumi tiks vērtēti ar 4 punktiem

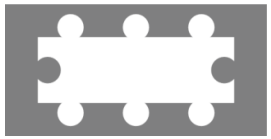
11. Peter drew a pattern twice, as in the picture. Which point will he reach when he draws the third pattern?



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

12. Lisa has 4 pieces, but she only needs 3 for her puzzle frame.

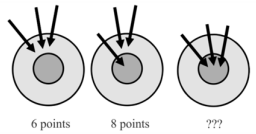




Which one will be left over?

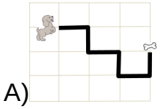
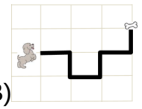
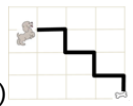
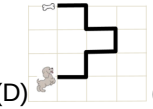
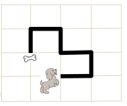
(A) A (B) B (C) C (D) D (E) C or D

13. Diana first got 6 points with three arrows on the target, as on the left picture. The second time she got 8 points, as in the middle picture. How many points did she get the third time?



(A) 8 (B) 10 (C) 12 (D) 14 (E) 16

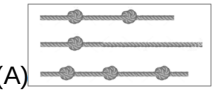
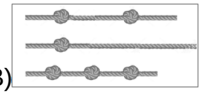
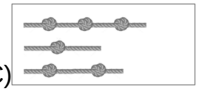
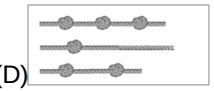
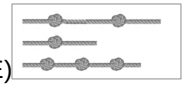
14. The dog went to its food following a path, as shown. At the crossroads it had to turn totally 3 times to the right and 2 times to the left. Which path did the dog follow?

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

15. How many times your own right hand appears in the picture?

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

16. Charles cut a rope in three equal pieces and then made some equal knots with them. Which figure shows correctly the three pieces with the knots?

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

17. The number of dwarfs that can fit under a mushroom is equal to the number of dots on the mushroom cap. The picture below shows one side of each mushroom, the number of dots on the other side is the same. If 30 dwarfs are seeking shelter from the rain, how many dwarfs will get wet?

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

18. 1 ice-cream costs 1 euro. There is a promotion so you can buy 6 ice-creams for 5 euros. How many ice-creams at most could you buy with 36 euros?

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

19. How many different numbers greater than 10 and smaller than 25 with distinct digits can we make by using two of the digits 2, 0, 1, and 8?

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

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