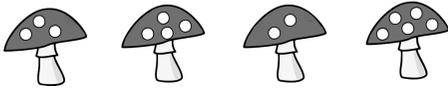


Questions for 5 points

13. 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 32 dwarfs are seeking shelter from the rain, how many dwarfs will get wet?
- 
- A) 2 B) 4 C) 5 D) 6 E) 8

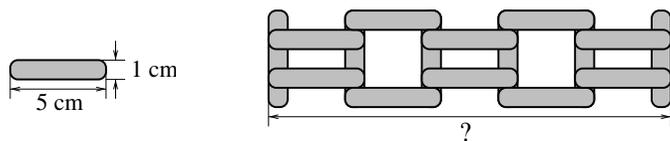
14. 1 ice-cream costs 1 euro. There is a promotion so you can buy 6 ice-creams for 5 euros. How many ice-creams at most could you buy with 36 euros?
- A) 36 B) 30 C) 42 D) 43 E) 45

15. 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

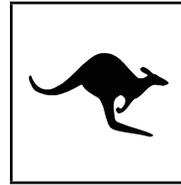
16. A pirate has two chests. There are 10 coins in the left chest and the other is empty. Starting tomorrow, the pirate will put 1 coin in the left chest and 2 coins in the other one every day. In how many days will the two chests have the same number of coins?
- A) 5 B) 8 C) 10 D) 12 E) Never

17. Alice has 3 white, 2 black and 2 green 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 pieces of paper will she have?
- A) 14 B) 16 C) 17 D) 18 E) 20

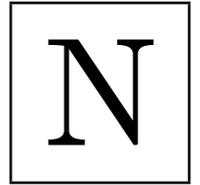
18. A student had some sticks of length 5 cm and width 1 cm. With the sticks he constructed the fence below. What is the length of the fence?



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



KANGAROO 2018

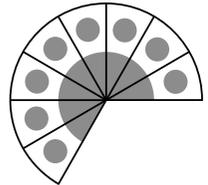


Time allowed: 50 minutes
Calculators are not permitted

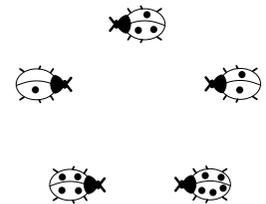
Nipper
1-2 grades

Questions for 3 points

1. This pizza was divided into equal parts. How many parts have been taken?
- A) 1 B) 2 C) 3 D) 4 E) 5

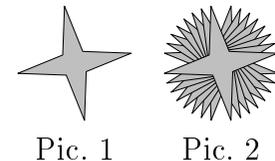


2. Alice draws a figure connecting the ladybirds in the order of increasing number of their dots. She starts with the ladybird with one dot. Which figure will she get?

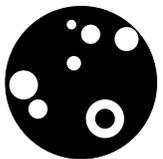


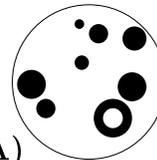
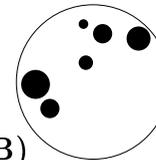
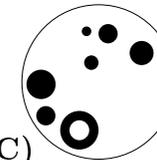
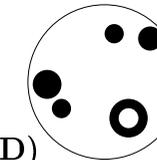
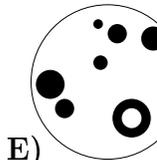
- A)  B)  C)  D)  E) 

3. Mary glued 4-ray stars like the one shown in the picture 1. At least, how many stars did she have to use to make an application shown in the picture 2?
- A) 5 B) 6 C) 7 D) 8 E) 9

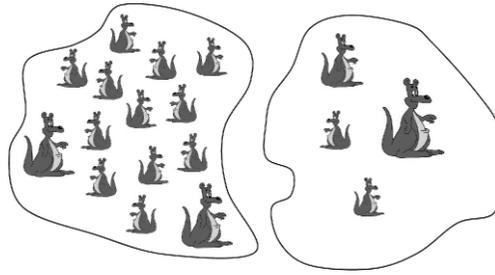


4. What do you get when you invert the colours?



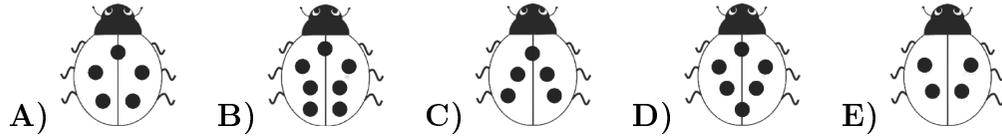
- A)  B)  C)  D)  E) 

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?



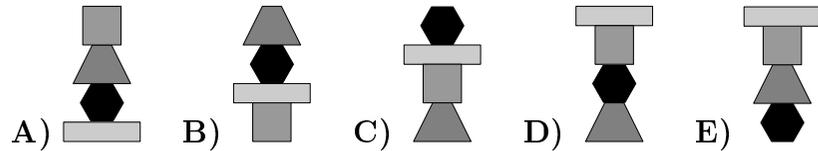
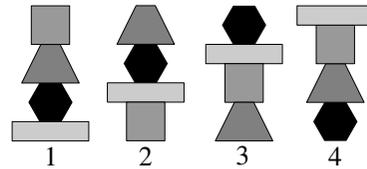
- A) 4 B) 5 C) 6 D) 8 E) 9

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

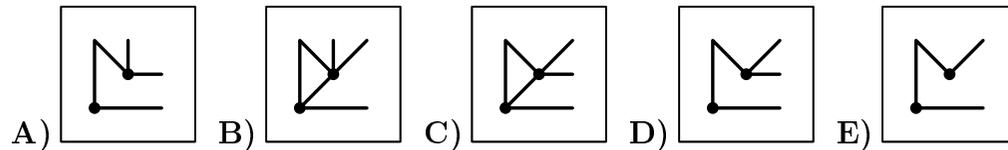
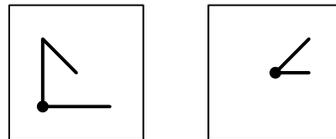


Questions for 4 points

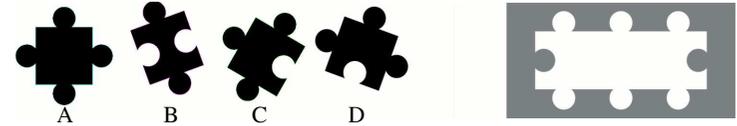
7. Emilie builds towers from blocks. Every other tower is created from the previous one by moving one block from top to bottom. Which of the following picture shows the 12th tower built by Emilie?



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

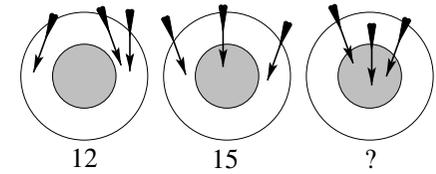


9. Lisa has 4 pieces, but she only needs 3 for her puzzle frame. Which one will be left over?



- A) A B) B C) C D) D E) C or D

10. Diana first got 12 points with three arrows on the target, as on the left picture. The second time she got 15 points, as in the middle picture. How many points did she get the third time?



- A) 15 B) 18 C) 21 D) 24 E) 27

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



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

12. 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?

