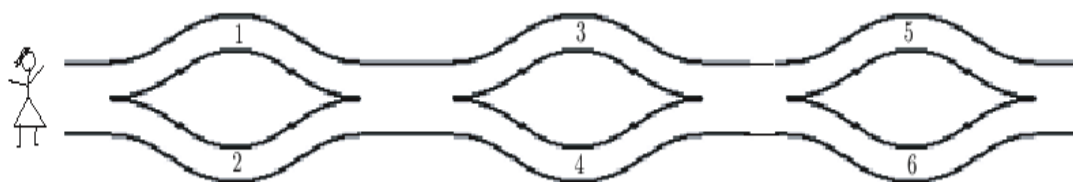


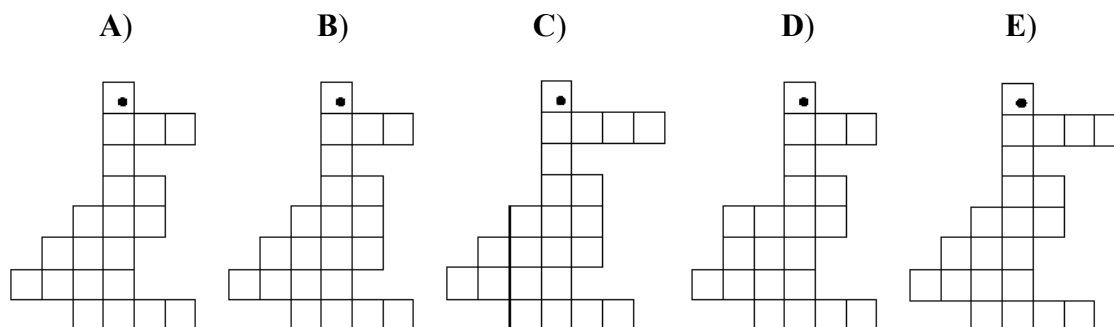
3 point questions

1. Zita walks from the left to the right and puts the numbers in her basket. Which of the following numbers can be found in her basket?



- A) 1,2 and 4 B) 2,3 and 4 C) 2,3 and 5 D) 1,5 and 6 E) 1,2 and 5
-

2. In which figure do you find the biggest number of little squares?

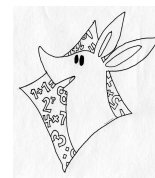


3. Have a look at the numbers below. Which of the figures with the same sum of digits is closest to 2007?

- A) 2016 B) 2115 C) 2008 D) 7002 E) 2070
-

4. There are 9 lamp posts on one side of the path in the park. The distance between each pair of neighbouring lamp posts is 8 metres. George was jumping all the way from the first lamp post to the last one. How many metres has he jumped?

- A) 48 m B) 56 m C) 64 m D) 72 m E) 80 m
-



4 point questions

8. Calculate. What is the answer?

$$4 \cdot 4 + 4 + 4 + 4 + 4 + 4 \cdot 4 = ?$$

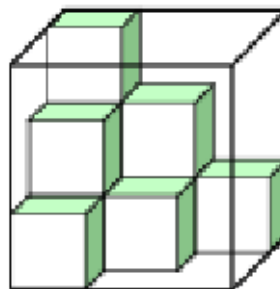
- A) 32 B) 44 C) 48 D) 56 E) 100
-

9. In the square below the numbers 1, 2 and 3 must be written in the cells. Each of the numbers 1, 2 and 3 must appear in each row and in each column. Harry started to fill in the square. Which number can be written in the cell with the question mark?

1	?	
2	1	

- A) only 1 B) only 2 C) only 3 D) 2 or 3 E) 1, 2 or 3
-

10. Daniela has got cubes with their edges 1 dm long. She has put some of them into the aquarium in the shape of a cube with the edges measuring 3 dm in the way you see on the picture. What is the maximum amount of cubes that can be added into the aquarium?



- A) 9 B) 13 C) 17 D) 21 E) 27
-

11. Basil, who is older than Pete by 1 year and 1 day, was born on January 1, 2002. When was Pete born? Choose the correct date.

- A) January 2, 2003 B) January 2, 2001 C) December 31, 2000 D) December 31, 2002 E) December 31, 2003
-



12. John has 400 spaghetti strands, each 15 cm long, on his lunch plate. If he joined them end to end (using sauce as glue) to form one long strand, the length of his lunch would be

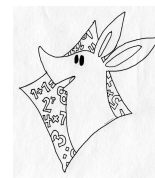
- A) 6 km B) 60 m C) 600 m D) 6000 mm E) 60000 cm
-

13. Peter wrote a one-digit number and then wrote an additional digit on its right. He added 19 to the obtained number and got 72. What number did Peter write first?

- A) 2 B) 5 C) 6 D) 7 E) 9
-

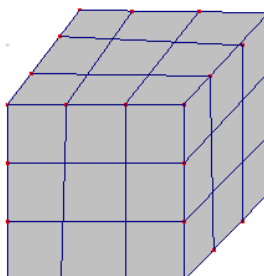
14. Digital clock shows the time 20 : 07. What is the minimum time after which the same four digits (in some order) appear on the clock?

- A) 4 h 20 min B) 6 h 00 min C) 10 h 55 min D) 11 h 13 min
E) 24 h 00 min
-



5 point questions

15. A cube is painted grey and cut into smaller cubes as shown in the picture. How many of the smaller cubes will have exactly 2 faces painted grey?



- A) 4 B) 6 C) 8 D) 10 E) 12
-

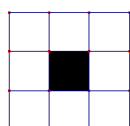
16. A palindrome is a number which remains the same when its digits are written in reverse order. For example 1331 is a palindrome. A car's odometer reads 15951. Find the least number of kilometers required for the next palindrome to appear.

- A) 100 km B) 110 km C) 710 km D) 900 km E) 1010 km
-

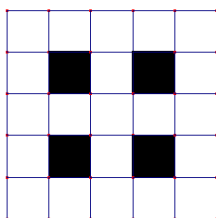
17. Romain, Fabien, Lise, Jennifer and Adrien are in a single file. Romain is after Lise. Fabien is before Romain and just after Jennifer. Jennifer is before Lise but she is not the first. Where is Adrien?

- A) 1st B) 2nd C) 3rd D) 4th E) 5th
-

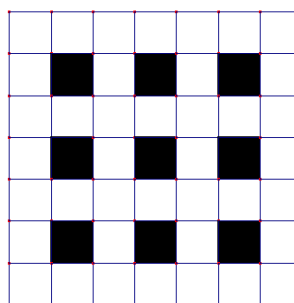
18. We count the number of white cells. How many white cells has the next square?



8 white cells

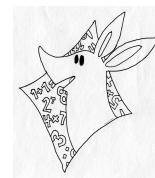


21 white cells



40 white cells

- A) 50 B) 60 C) 65 D) 70 E) 75
-



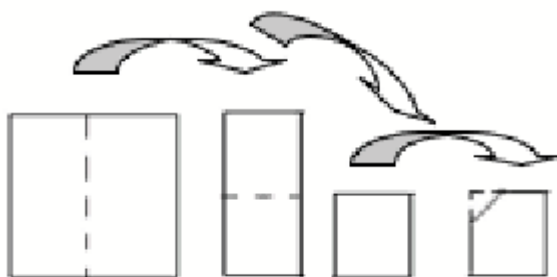
19. The seats of a merry-go-round are numbered 1, 2, 3, In this merry-go-round, Peter was sitting on seat numbered 11, exactly opposite Maria, who was sitting on seat number 4. How many seats were there in this merry-go-round?





- A) 13 B) 14 C) 16 D) 17 E) 22

20. How many digits do you need to write down all numbers from 1 to 100?

- A) 100 B) 150 C) 190 D) 192 E) 200

21. A square piece of paper will be folded twice in such a way that the result is a square again. In this square one of the corners will be cut out, after which the paper will be folded out again. Which of the following pieces of paper cannot be the one achieved by following the instructions given above?



- A) 
 B) 
 C) 
 D) 

E) Each of the figures (A, B, C and D) can be achieved by following the instructions given above.