Ecolier
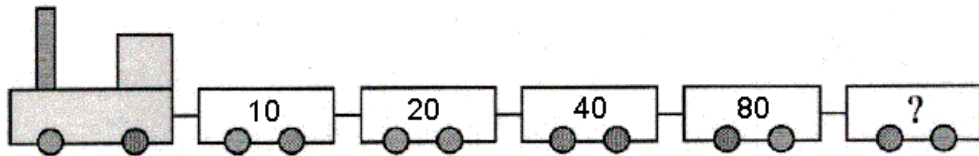
1) How much is   0+1+2+3+4-3-2-1-0 = ?

A) 0   B) 2   C) 4   D) 10   E)16

2) Which number should be the following one?

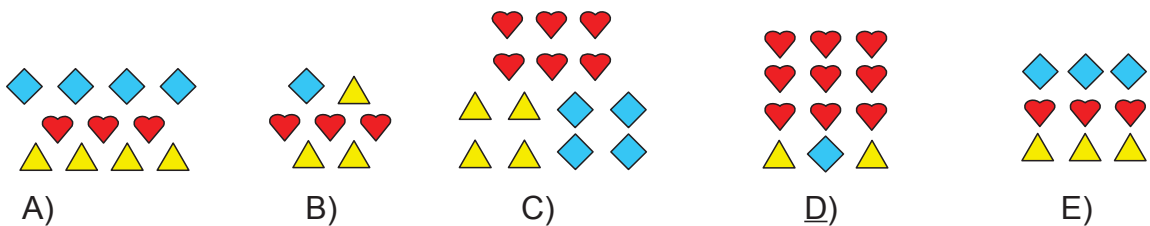
A) 100   B)120   C)140   D)160   E)180

3) Sophie draws kangaroos : a blue one, then a green, then a red, then a black, then a yellow, a blue, a green, a red, a black, and so on…What colour is the 17th kangaroo?

A) blue   B) green   C) red   D) black   E) yellow

4) In the teachers' room there are 6 tables with 4 chairs each, 4 tables with 2 chairs each, and 3 tables with 6 chairs each. How many chairs are there altogether?
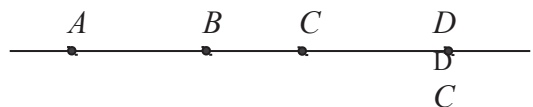
A) 40   B) 25   C) 50   D) 36   E) 44

5) In one of the following pictures exactly three quarters of all objects are hearts. Which one is it?

A)   B)   C)   D)   E)

6) In the picture the distance *AC*=10m, *BD*=15m, *AD*=22m. Find the distance   *BC*.

A) 1m;   B) 2m;   C) 3m;   D) 4m;   E) 5m

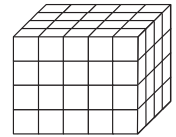
7) Hedgehog Mark complained to his friends: "*If I had* picked *up twice as many apples as I really did, I would have 24 apples more than I have now.*" How many apples did Mark pick up?

A) 48   B) 24   C) 42   D) 12   E) 36

8) Chris constructed the brick on the picture using red and blue cubes of the same size. The outside of the brick is completely red, but all cubes used inside are blue. How many blue cubes did Chris use?

A) 12   B) 24   C) 36   D) 40   E) 48

9) A rectangle of size 4×7 is drawn on a squared sheet of paper. How many squares of the size 1x1 are cut into two parts by the diagonal of that rectangle?

A) 8   B) 9   C) 10   D) 11   E) 12

10)The table below shows the quantity of different types of flowers in the Botanical garden. Ted asked the gardener and found out, that there were 35 azaleas, 50 irises and 85 roses in the garden. What is the number of gerberas growing in the garden?
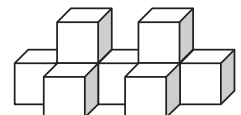

A) 95   B) 100   C) 105   D) 110   E) 115

11) Annie fell asleep at 9:30 pm and woke up at 6:45 am. Her brother Martin had been sleeping by 1 hour 50 min longer. How many hours and minutes had been Martin sleeping?

A) 30 h 5 min   B) 11 h 35 min   C) 11 h 5 min
D) 9 h 5 min   E) 8 h 35 min

12) The "construction" in the picture weighs 189 grams. How much does one cube weight?

A) 29 grams   B) 25 grams   C) 21 grams
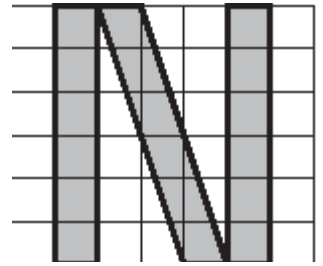D) 19 grams   E) 17 grams

14) Kangaroo Jumpy has been training for the Animal Olympiad. His longest jump during the training was 50 dm 50 cm and 50 mm long. At the end he won the gold medal at the Olympiad with a jump that was by 123 cm longer. How long was Jumpie's winning jump?

A) 6 m 78 cm   B) 5 m 73 cm   C) 5 m 55 cm
D) 11 m 28 cm   E) 7 m 23 cm

14) If the length of the side of a little square is 1 cm, what is the area of the letter N?

A) 14
D) 17

B) 15
E) 18

C) 16

15) Betty likes calculating the sum of the digits that she sees at her digital clock (for instance, if the clock shows 21:17, then Betty gets 11). What is the maximal sum she can get?

A) 24   B) 36   C) 19   D) 25   E) 23

16) In the class there are 29 children. 12 children have a sister and 18 children have a brother. Tina, Bert, and Anne have no brother and no sister. How many children in that class have both brother and sister?

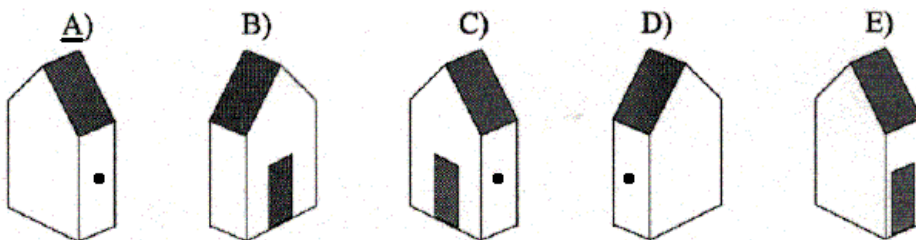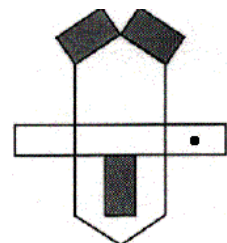A) no one   B) 1   C) 3   D) 4   E) 6

17) Joe wants to buy some basket balls. If he would buy five balls, he would still have 10 dollars left in his wallet. If he would want to buy seven balls, he would have to borrow 22 dollars. How much is one basket ball?

A) 11   B) 16   C) 22   D) 26   E) 32

18) How many pages have a book such that, for writing all their page number, it must use 35 digit in whole.

A) 12   B) 15   C) 22   D) 28   E) 35

19) The picture on the left has been drawn on paper and cut out to make a house. Which of the houses is made?

A)   B)   C)   D)   E)

20) Kangaroo bought 3 types of sweets: big, medium and small ones. Big sweets cost 4 coins per 1, medium – 2 coins per 1, small – 1 coin per 1. Kangaroo bought 10 sweets and he paid 16 coins. How many big sweets did kangaroo buy?
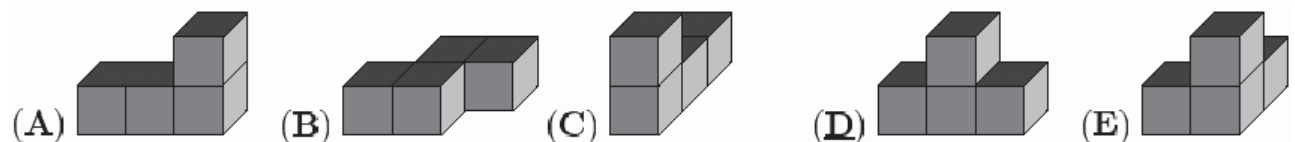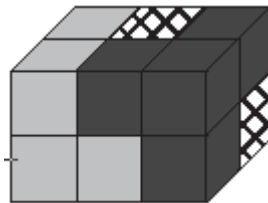
A) 5   B) 4   C) 3   D) 2   E) 1

21) A bar-code is formed by 17 black and white bars (the first and the last bars are black). The black bars are of two types: wide and narrow. The number of white bars is greater by 3 than the number of wide black bars. Then the number of narrow black bars is

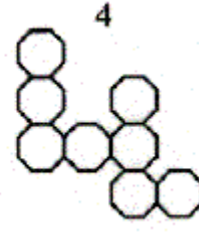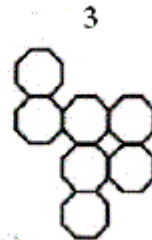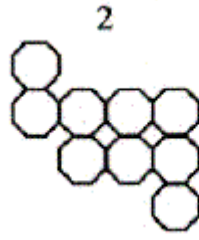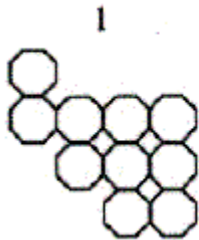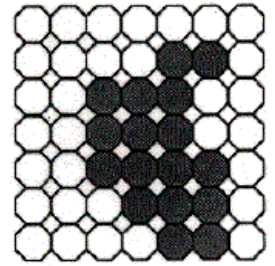A) 1   B) 2   C) 3   D) 4   E) 5

22) Florian has build a rectangular parallelepiped using 3 bricks each consisting of 4 little cubes (see picture). 2 of the bricks you can see in the picture. Which is the third (crosshatched) brick?

23) In the shop with toys the price for one Dog and three Bears is the same as for four kangaroos. Three Dogs and two Bears together also have the same price as four kangaroos. What is more expensive the Dog or the Bear?

A) the Dog is two times more expensive
B) the Bear is two times more expensive
C) the same price
D) the Bear is three times more expensive
E) this can not be determinate

24) The shaded hole has to be filled using two pieces. Which two pieces together should be used?

A) 1+3   B) 2+4   C) 2+3   D) 1+4   E) 3+4