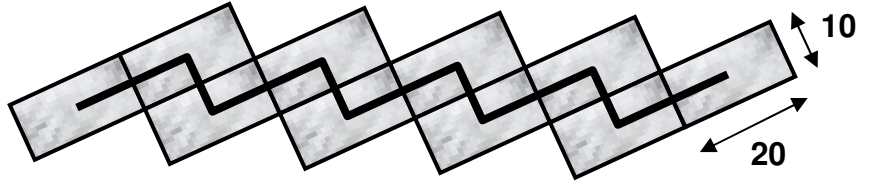


6) The garden is constructed with 10 plates of dimension 10 cm by 20 cm. Nicos has designed a line that passes through the centre of each tile, as shown in the figure. What is the length of the line designed by Nicos?



- A) 70 cm B) 90 cm
C) 140 cm D) 150 cm E) 180 cm

7) Maria threw three dice and added the numbers shown. If the sum she obtained was 17, how many of the three dice were showing the number 6?

- A) none B) 1 C) 2 D) 3 E) 4

8) A movie in a cinema was 90 minutes long. It started showing at 9:10 in the morning (at 9 o'clock and 10 minutes in the morning). During the show there was a break of 8 minutes and one commercial break of 5 minutes. What time did the movie show finish?

- A) at 10 o'clock and 13 minutes B) at 10 o'clock and 27 minutes
C) at 10 o'clock and 47 minutes D) at 10 o'clock and 53 minutes
E) at 11 o'clock and 13 minutes

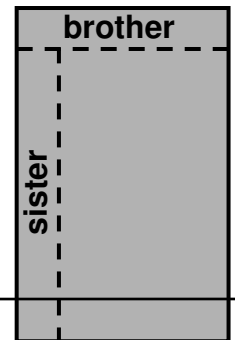
4 points questions:

9) On a tree there are 25 green birds and 19 yellow. Every one hours 2 more green and 3 more yellow birds are coming to the tree. In how many hours the green birds will be as many as the yellow birds on the tree?

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

10) Peter was dividing a chocolate. He broke one row of 5 pieces for his brother and then one row of 7 pieces for his sister in a way you see on the picture. How many pieces did the whole chocolate consist of?

- (A) 28 (B) 32 (C) 35 (D) 40 (E) 54



11) A Kangourou and a Bear weight together 300 kg. The Bear weighs 40 kg more than the Kangourou. What is the weight of the Kangourou?

- A) 32 kg B) 110 kg C) 130 kg D) 150 kg E) 260 kg

12) A kid wrote on the board the numbers 20, 21, 22, 23, 24 and 25. The teacher asked him to add all these numbers. However, the kid made a mistake and forgot to add one of these numbers. If the answer he found was 112, which number did he forgot?

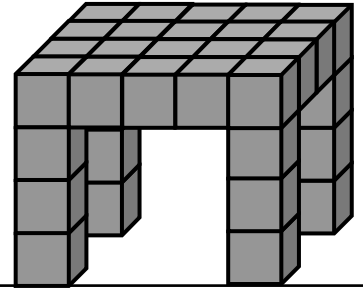
- A) 21 B) 22 C) 23 D) 24 E) 25

13) Takis has two gardens. The one has a rectangular shape with one side 8 m and the other half of the first. The second garden has a square shape. What is the side length of the square if the two gardens have the same perimeter?

- A) 4 m B) 6 m C) 8 m D) 12 m E) 24 m

14) Thomas made a table from small cubes (see the picture). How many cubes did he use?

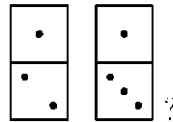
- (A) 24 (B) 26 (C) 28 (D) 32 (E) 36



15) Three squirrels Anni, Asia and Elli collected 7 nuts. They all collected different number of nuts, but each of them found at least one. Anni collected the least, Asia the most of all. How many nuts did Elli find?

- A) 1 B) 2 C) 3 D) 4 E) impossible to determine

16) Which figure can we not make with the dominos



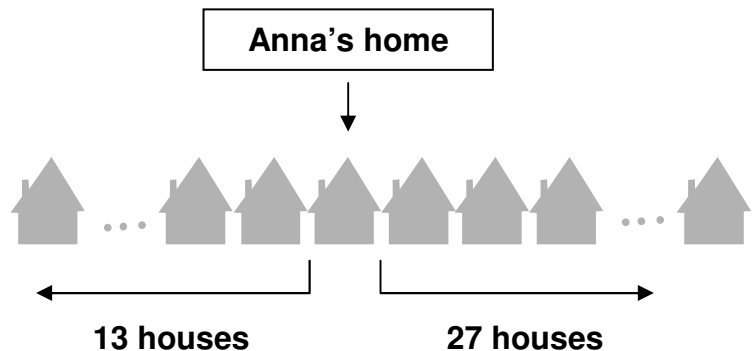
- (A) (B) (C) (D) (E)

5 points questions:

17) In a park there are 10 cats and some pigeons. There are no other animals in the park. If the number of legs of the pigeons is the same with the number of legs of the cats, how many are all the animals, cats and pigeons?

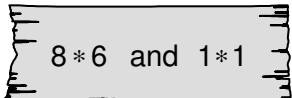
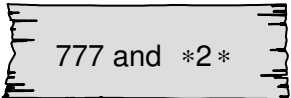
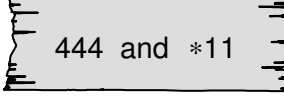
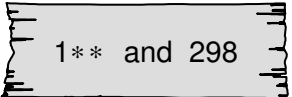
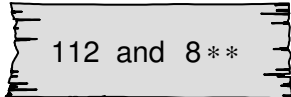
- A) 20 B) 30 C) 40 D) 50 E) 60

18) Ann and Peter live in the same street, with houses in one series, one next to another. On one side of Ann's house the street has 27 houses and on the other side 13 houses. Peter lives in middle house of the street. How many houses are there between Ann's house and Peter's house (without counting the houses of Ann and Peter)?



- A) 6 B) 7 C) 8
D) 14 E) 21

19) George had a piece of paper on which there were two three digit numbers, but some digits were erased. He remembered that the sum of the digits of one of the numbers was the same with the sum of the digits of the other. Which of the papers below is the one containing the numbers of George?

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

20) Maria plants each some trees. Each year the trees she plants are equal to the number of the trees she planted in the previous two years. In 2008 she planted 60 trees and in 2009 she planted 96 trees. How many trees did she plant in 2006?

- A) 20 B) 24 C) 36 D) 40 E) 48

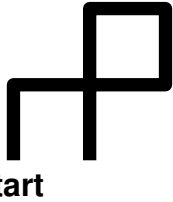
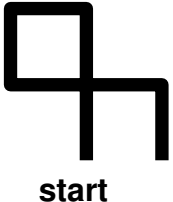
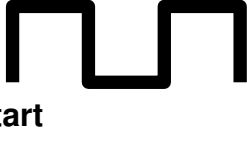
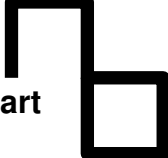
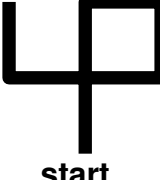
21) Niki wrote on the board the numbers 1, 2, 8 and 9. Using two of the four numbers she wrote a two digit number and with the remaining two a second two digit number. She then added the two two-digit numbers. What is the largest possible sum that she can get?

- A) 187 B) 198 C) 119 D) 173
E) none of the above

22) A boat started its trip on Saturday afternoon and arrived to its destination the next day at 7 in the afternoon. At 6 in the morning of Sunday it was in the middle of its trip. What time did it start the trip?

- A) at 5 in the afternoon B) at 6 in the afternoon C) at 7 in the afternoon
D) at 8 in the afternoon E) it is not possible to find it

23) Ntina walked a path of length 7 km following straight path lines of 1 km each. At the end of each straight path she was either turning left or right in order to follow a new 1 km straight path. At each turn she draws either a symbol # or a symbol &. She was always using the same symbol for left or right turn, but we do not know which symbol she was using for left or right turns. At the end she noted that her path was #&&&#. Which of the following shows her total path, if she started from the point showing "start"?

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

24) Three friends, Anna, Vaso and Yianna went to the library of the school in order to borrow some books. All together borrowed 15 books. After a few days Anna returned to the library 1 book, Vaso returned 2 books and Yianna returned 3 books. After the returns, the three friends has the same number of books from the library. How many books did Yianna borrowed at the beginning?

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