

International Kangaroo Mathematics Contest 2008

Ecolier Level: Class (3 & 4)

Max Time: 2 Hours

3-point problems

1)

We eat 3 meals a day. How many meals do we eat in a week?

- A) 7 B) 21

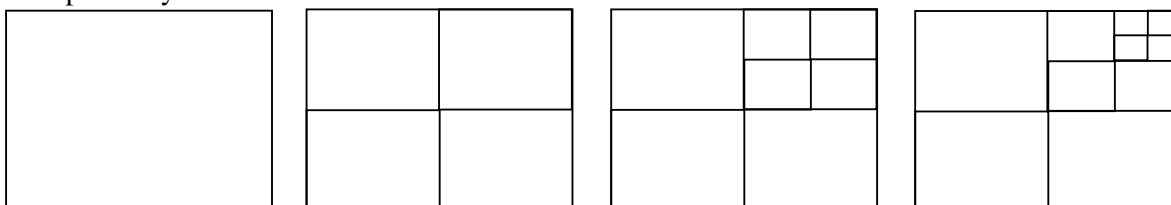
2)

An adult ticket to the ZOO costs 4 rupees, the ticket for a child is 1 rupee cheaper. How many rupees must a father pay to enter the ZOO with his two children?

- A) 6 B) 10

3)

We make a sequence of figures with tiles. The first four figures have 1, 4, 7 and 10 tiles, respectively.



How many tiles will the fifth figure have?

- A) 13 B) 14

4)

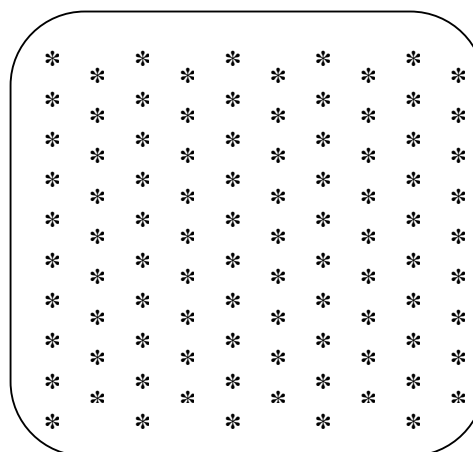
Ayesha has 37 CDs. Her friend Aniqah said: "If you give me 10 of your CDs, we will both have the same number of CDs." How many CDs does Aniqah have?

- A) 17 B) 27

5)

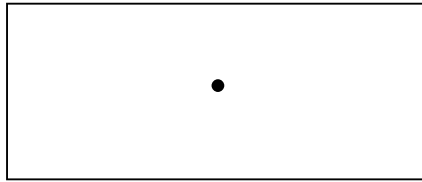
How many stars are inside the figure?

- A) 95 B) 100



6)

Rabia has drawn a point on a piece of paper. She now draws four straight lines that pass through this point. Into how many sections do these lines divide the paper?



A) 4

B) 8

7)

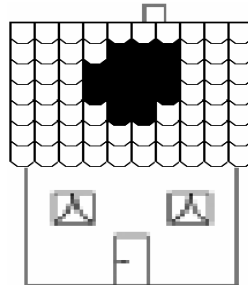
In six and one half hours it will be four hours after midnight. What time is it now?

A) 21:30

B) 10:30

8)

The storm made a hole in the front side of the roof. There were 10 roof tiles in each of 7 rows. How many tiles are left on the front side of the roof?

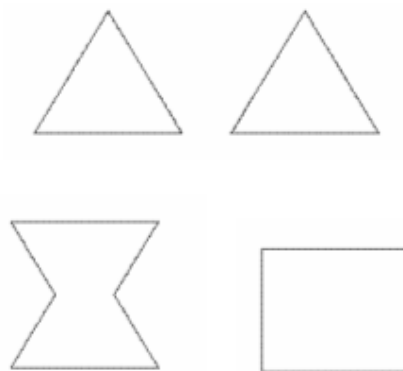


A) 57

B) 59

9)

Ejaz is making figures with two triangular cards shown. Which figure he cannot get?



A)

B)

10)

Ahmad multiplies by 3, Nasir adds 2, and Tahir subtracts 1. In what order can they do this to convert 3 into 14?

- A) Ahmad, Nasir, Tahir B) Nasir, Ahmad, Tahir

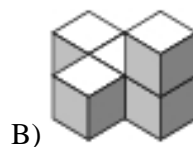
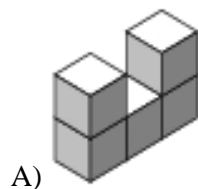
11)

Usman is taller than Noman and shorter than Salman. Who is the tallest?

- A) Usman B) Salman

12)

Abida made the figure on the right out of five cubes. Which of the following figures (when seen from any direction) can she not get from the figure on the right side if she is allowed to move exactly one cube?



13)



Which of the following figures is shown most often in the above sequence?

- A) \triangle and \square B) All of them are shown equally often

14)

In a hotel, how many two-bed rooms should be added to 5 three-bed rooms to host 21 guests?

- A) 3 B) 6

15)

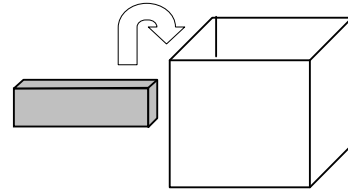
There are three songs on a CD. The first song is 6 minutes and 25 seconds long, the second song is 12 minutes and 25 seconds long, and the third song is 10 minutes and 13 seconds long. How long are all the three songs together?

- A) 29 minutes 3 seconds B) 31 minutes 13 seconds

16)

We have a large number of blocks of $1 \times 2 \times 4$ cm. We will try to put as many of these blocks as possible in a box of $4 \times 4 \times 4$ cm so that we can close the box with a lid. How many blocks fit in?

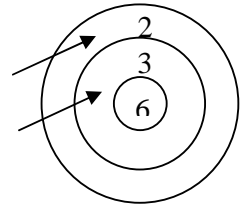
- A) 8 B) 10



17)

Shaheen shoots two arrows at the target. In the drawing we see that her score is 5. If both arrows hit the target, how many different scores can she obtain?

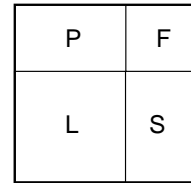
- A) 6 B) 3



18)

A garden in the shape of a square is divided into a pool (P) a flowerbed (F) a lawn (L) and a sandpit (S) (see the picture). The lawn and the flowerbed are in the shape of a square. The perimeter of the lawn is 20 m, the perimeter of the flowerbed is 12 m. What is the perimeter of the pool?

- A) 12 m B) 16 m



19)

Zahid has as many brothers as sisters. His sister Zahida has twice as many brothers as she has sisters. How many children are there in this family?

- A) 3 B) 7

20)

How many two-digit numbers are there in which the digit on the right is larger than the digit on the left?

- A) 26 B) 36

GOOD LUCK !