

International Kangaroo Mathematics Contest 2010

Benjamin Level: Class (5 & 6)

Max Time: 2 Hours

3-point problems

Q1) Knowing that $\blacktriangle + \blacktriangle + 6 = \blacktriangle + \blacktriangle + \blacktriangle + \blacktriangle$, which number is hidden by $\blacktriangle$?

- A) 2 B) 3 C) 4 D) 6

Q2) The number 4 is next to two mirrors so it reflects twice as shown. When the same thing happens to number 5, what do we get instead for the question mark?



- A) 2 B) 2 C) 5 D) 5

Q3) Kalim goes directly from Zoo to School. He counts each flower on the way. Which of the following number can not be his result.

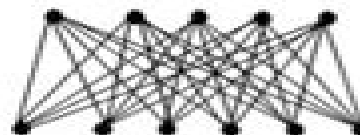


- A) 9 B) 10 C) 11 D) 12

Q4) A ladder has 21 stairs. Nadeem and Mahmood are counting stairs; one – from bottom to top, another – from top to bottom. They met on a stair that was called the 10th by Nadeem. What number will Mahmood give to this stair?

- A) 13 B) 11 C) 12 D) 10

Q5) Adil has connected all the upper points to all the lower points. How many lines Adil has drawn?

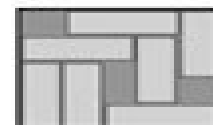


- A) 20 B) 25 C) 30 D) 35

Q6) A fly has 6 legs, while a spider has 8 legs. Together, 2 flies and 3 spiders have as many legs as 10 birds and

- A) 3 cats B) 4 cats C) 5 cats D) 6 cats

Q7) There are seven bars in the box. It is possible to slide the bars in the box so there will be space for one more bar. At least how many bars have to be moved?



- A) 1 B) 2 C) 3 D) 4

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a is often denoted by x_a and

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