


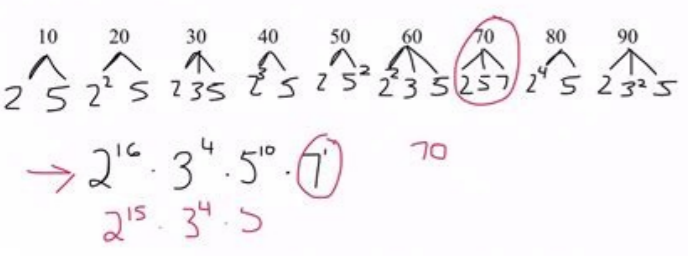
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28. What is the least number of elements we have to delete from the set below so that the product of the elements remaining in the set is a perfect square?

- {10, 20, 30, 40, 50, 60, 70, 80, 90}
- (A) 1 (B) 2 (C) 3 (D) 4 (E) 5



International Kangaroo Mathematics Contest 2010

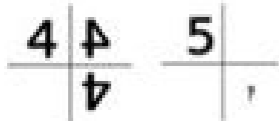
Benjamin Level: Class (5 & 6) Max Time: 2 Hours

3-point problems

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

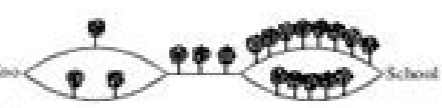
- A) 2 B) 3 C) 4 D) 6

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 of 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?

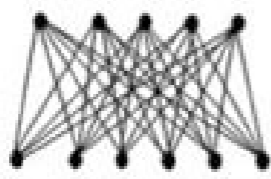


- A) 9 B) 10 C) 11 D) 12

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 10<sup>th</sup> 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?

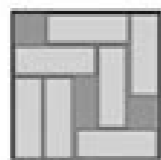


- A) 20 B) 25 C) 30 D) 35

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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Kangaroo Institute  
1111 University Avenue, Suite 100  
Toronto, Ontario M5G 1R7, Canada  
Tel: (416) 593-8888  
Fax: (416) 593-8889  
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Note : Students can be registered for any place listed on Registration page and do not need to be associated with the place, except the places marked with "Only for" its student note.



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Now, take advantage of plenty of learning material 24 hours a day, 7 days a week at the Math Kangaroo Media Library. Login and click "Video Solution" tab to enjoy the creative thinking behind the solutions to all the fun math problems. Click here to learn more.



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Poster Contest



It is the time to get creative with next Math Kangaroo in USA 2017 poster. The students and adults are invited to express their visions and creativity in effort to promote this fun learning activity. Thank You and Good Luck to all the participants! More on the contest information and rules. Click here ...

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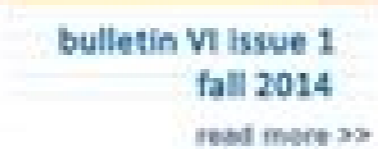
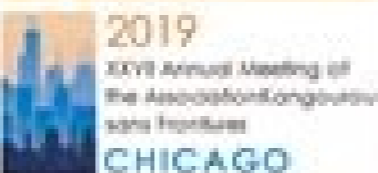
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