



Division

**E**

Mathematical Olympiads

February 11, 2014

for Elementary & Middle Schools

Contest

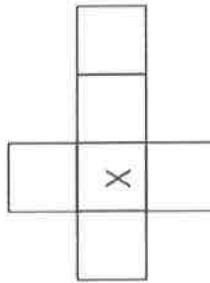
**4**

**4A** Time: 3 minutes

Evaluate:  $10 \times 234 + 10 \times 342 + 10 \times 423$

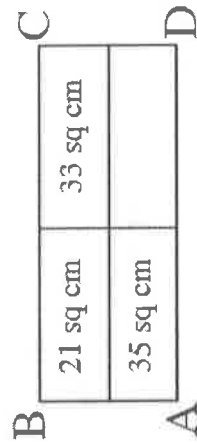
**4B** Time: 4 minutes

In the grid shown, the numbers 1, 2, 3, 4, 5, and 6 are to be placed, one per square. The sum of the numbers in the row going across is 11. The sum of the numbers in the column going down is also 11. What is the number in the box with the X?



**4C** Time: 5 minutes

The areas of three small rectangles are shown in the diagram. The four small rectangles make up a larger, fifth rectangle,  $ABCD$ . If every measurement is a whole number, how many centimeters is the perimeter of the rectangle  $ABCD$ ?



Please fold over on line. Write an