

Math Kangaroo 2016 Sample Questions

LEVELS 7 AND 8

SAMPLE QUESTION FOR 3 POINTS

What is the sum of the two marked angles in the figure on the right?

- A) 150° B) 180° C) 270° D) 320° E) 360°

SAMPLE QUESTION FOR 4 POINTS

The diagram shows four identical rectangles placed inside a square. The perimeter of each rectangle is 16 cm. What is the perimeter of the big square?

- A) 16 cm B) 20 cm C) 24 cm D) 28 cm E) 32 cm

SAMPLE QUESTION FOR 5 POINTS

Twelve girls met in a coffee shop. On average, they ate 1.5 cupcakes each. None of them ate more than two cupcakes and two of them had only mineral water. How many girls ate two cupcakes?

- A) 2 B) 5 C) 6 D) 7 E) 8