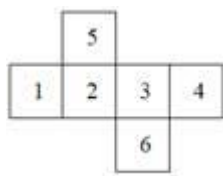# Math Kangaroo 2015 Sample Questions - Levels 7 & 8

4. Which of the following numbers is closest to 2.015 × 510.2?

A) 0.1   B) 1   C) 10   D) 100   E) 1000

5. The net of a cube with numbered faces is shown in the diagram. Sasha correctly adds the numbers on opposite faces of this cube. What three totals does Sasha get?

A) 4, 6, 11   B) 4, 5, 12   C) 5, 6, 10   D) 5, 7, 9   E) 5, 8, 8

14. During a rainstorm, 15 liters of water fell per square meter. By how much did the water level rise in an outdoor pool?
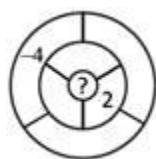
A) 150 cm B) 0.15 cm C) 15 cm D) 1.5 cm E) It depends on the size of the pool.

15. A bush has 10 branches. Each branch has either 5 leaves only or 2 leaves and 1 flower. Which of the following could be the total number of leaves the bush has?

A) 45   B) 39   C) 37   D) 31   E) None of A) to D).

21. Ria wants to write a number in each of the seven regions of the diagram to the right. Two regions are neighbors if they share part of their boundary. The number in each region needs to be the sum of the numbers in all its neighboring regions. Ria has already written in two of the numbers, as shown. What number does she need to write in the center region?

A) 1   B) -2   C) 6   D) -4   E) 0

22. In a group of kangaroos, the two lightest kangaroos weigh 25% of the total weight of the group. The three heaviest kangaroos weigh 60% of the total weight. How many kangaroos are in the group?

A) 6   B) 7   C) 8   D) 15   E) 20