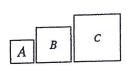


- 3. In the figure above, the perimeter of square A is $\frac{2}{3}$ the perimeter of square B, and the perimeter of square B is $\frac{2}{3}$ the perimeter of square C. If the area of square A is 16,
 - what is the area of square C?
 - (A) 24
 - (B) 36
 - (C) 64
 - (D) 72
 - (E) 81

- 10. Fifteen percent of the coins in a piggy bank are nickels and five percent are dimes. If there are 220 coins in the bank, how many are not nickels or dimes?
 - (A) 80
 - (B) 176
 - (C) 180
 - (D) 187
 - (E) 200
- 11. At the beginning of 1999, the population of Rockville was 204,000 and the population of Springfield was 216,000. If the population of each city increased by exactly 20% in 1999, how many more people lived in Springfield than in Rockville at the end of 1999?
 - (A) 2,400
 - (B) 10,000
 - (C) 12,000
 - (D) 14,400
 - (E) 43,200
- 13. In a list of seven integers, 13 is the lowest member, 37 is the highest member, the mean is 23, the median is 24, and the mode is 18. If the numbers 8 and 43 are then included in the list, which of the following will change?
 - I. The mean
 - II. The median
 - III. The mode
 - (A) I only
 - (B) I and II only
 - (C) I and III only
 - (D) II and III only
 - (E) I, II, and III



- 3. In the figure above, the perimeter of square A is $\frac{2}{3}$ the perimeter of square B, and the perimeter of square B is $\frac{2}{3}$ the perimeter of square C. If the area of square A is 16,
 - what is the area of square C?
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 - (C) 64
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- Answers
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