

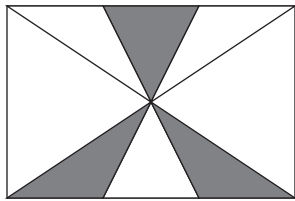
47. If $w < x < z$ and $w < y < z$, which of the following statements must be true?

- I. $w < z$
- II. $x < y$
- III. $y < z$

- (A) I only
 - (B) II only
 - (C) III only
 - (D) I and III only
 - (E) I, II, and III
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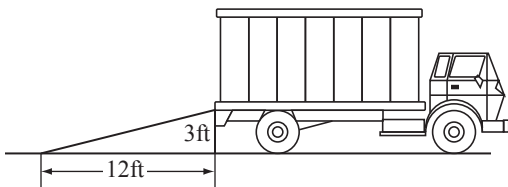
48. Three percent of 4,200 is equal to 6 percent of what number?

- (A) 8,400
 - (B) 126
 - (C) 252
 - (D) 1,260
 - (E) 2,100
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49. Four lines are drawn through the center of the rectangle shown above. What fraction of the area of the rectangle is shaded?

- (A) $\frac{3}{8}$
 - (B) $\frac{1}{4}$
 - (C) $\frac{1}{8}$
 - (D) $\frac{1}{10}$
 - (E) $\frac{1}{16}$
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Note: Figure not drawn to scale.

50. The figure above shows a ramp that extends from level ground to the bed of a truck. What is the slope of the ramp?

- (A) 4
- (B) 3
- (C) $\frac{4}{3}$
- (D) $\frac{1}{3}$
- (E) $\frac{1}{4}$

{6, 2, 1, 3}

51. If k is a number so that the sum of k and any number in the set above is also in the set, what is the value of k ?

- (A) 5
 - (B) 4
 - (C) -1
 - (D) 1
 - (E) 0
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52. How many positive integers less than 1,001 are divisible by either 2 or 5 or both?

- (A) 500
 - (B) 400
 - (C) 700
 - (D) 540
 - (E) 600
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53. A group of 110 people is divided into 4 committees. If each committee contains at least 2 people, which of the following statements must be true?

- (A) Each committee has at least 4 people.
- (B) No 2 committees have the same number of people.
- (C) No committee has more than 100 people.
- (D) At least 1 committee has more than 25 people.
- (E) The largest committee has 3 more people than the smallest committee.