

- A. \$0.01
- B. \$0.05
- C. \$0.10
- D. \$0.15
- E. \$0.50

**Correct Answer:** B

**QUESTION 41**

The list price of a certain bread machine is \$200. A discount store sells this machine for \$130, saving the customer \$70. What is the percent of discount?

- A. 35%
- B. 54%
- C. 65%
- D. 70%
- E. 130%

**Correct Answer:** A

**QUESTION 42**

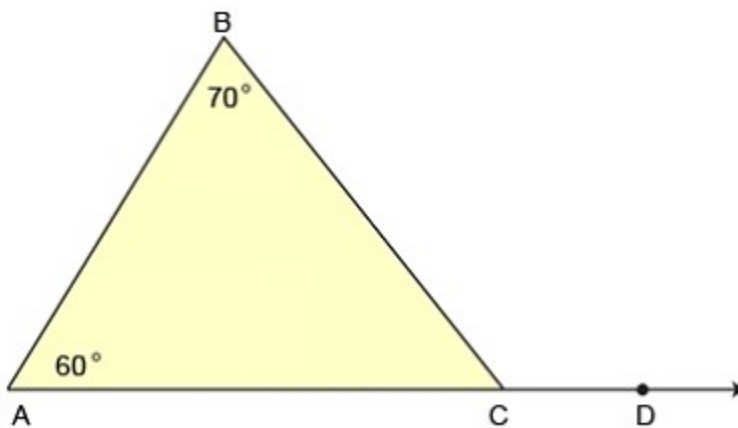
A club wanted to double its membership. It recruited 6 new members, but that was 10 short of the club's goal. How many members were in the club before the new members joined?

- A. 6
- B. 8
- C. 12
- D. 16
- E. 24

**Correct Answer:** D

**QUESTION 43**

What is the measure of angle BCD?



- A.  $130^\circ$
- B.  $120^\circ$
- C.  $70^\circ$
- D.  $60^\circ$
- E.  $50^\circ$

**Correct Answer:** A

**QUESTION 44**

A computer chip is designed to be 3.2 cm long, but the actual manufactured length can be up to 0.015 cm larger or smaller than the designed length. Which of the following lengths, in centimeters, of manufactured chips would be acceptable?

- A. 3.18
- B. 3.19
- C. 3.24
- D. 3.25
- E. 3.35

**Correct Answer:** B

**QUESTION 45**

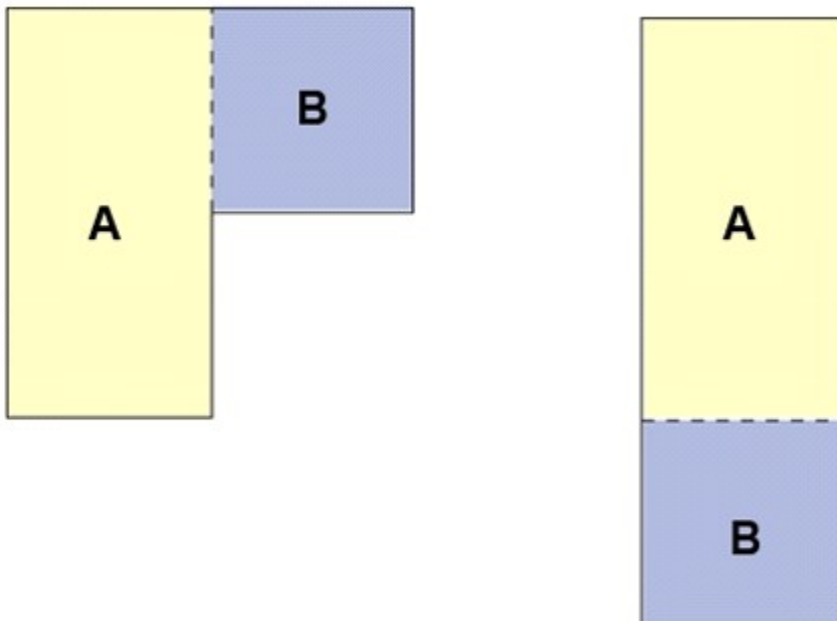
When a solar flare occurs on the Sun, it can send out a blast wave that travels through space at a speed of  $1.875 \times 10^6$  miles per hour. How would this speed, in miles per hour, be written as a decimal number?

- A. 18,750,000
- B. 1,875,000
- C. 187,500
- D. 0.000001875
- E. 0.0000001875

**Correct Answer:** B

**QUESTION 46**

What is true about the perimeters (shown by the solid lines) and the areas of the two arrangements?

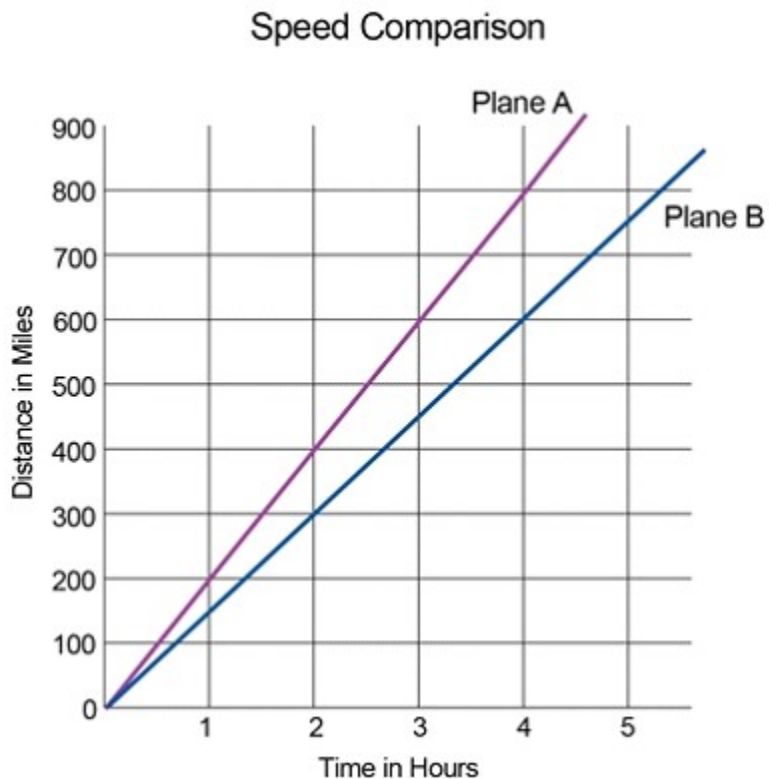


- A. The perimeters are the same, but the areas are different.
- B. The perimeters are different, but the areas are the same.
- C. The perimeters and areas are both the same.
- D. The perimeters and areas are both different.
- E. Not enough information is given.

**Correct Answer:** C

**QUESTION 47**

City Commuter Airplane Service is considering the purchase of another airplane for its fleet. The cruising speeds of the two choices are shown in the graph below.



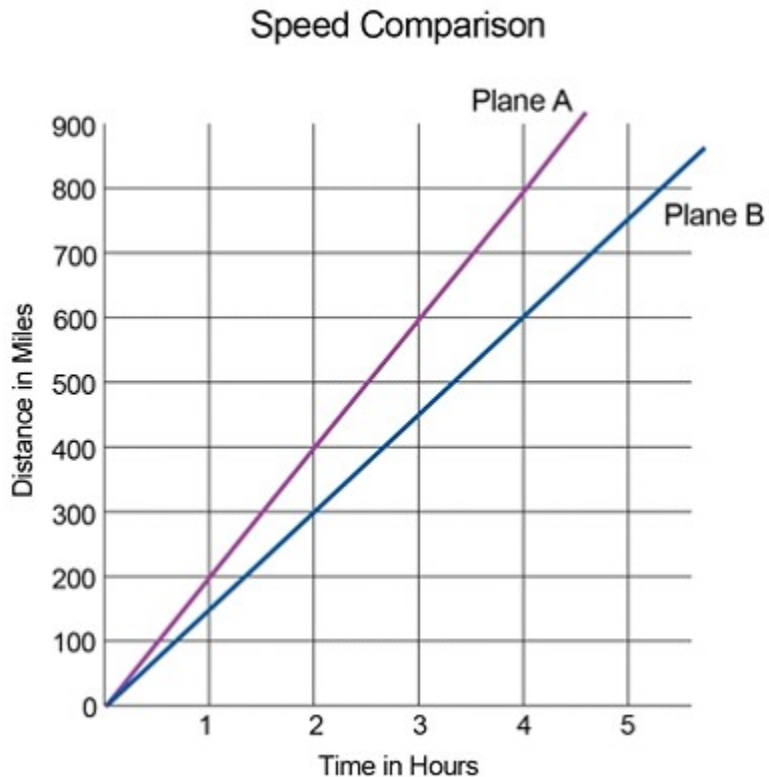
In miles, how much FARTHER can plane A travel in 3 hours than plane B can travel in the same amount of time?

- A. 100
- B. 150
- C. 300
- D. 450
- E. 600

**Correct Answer:** B

**QUESTION 48**

City Commuter Airplane Service is considering the purchase of another airplane for its fleet. The cruising speeds of the two choices are shown in the graph below.



In minutes, how much LONGER would it take plane B to travel 300 miles than it would take plane A to travel the same distance?

- A. 20
- B. 30
- C. 40
- D. 60
- E. 75

**Correct Answer:** B

**QUESTION 49**

Hattie, the manager of Speedy Burgers, wants to know the average amount of time it takes customers to order once they reach the counter. Hattie recorded these ordering times in seconds: 45, 52, 64, 87, 56, 21, 34, 49, 55, 29, 36. What was the mean (average) time in seconds it took customers to order?

- A. 528
- B. 64
- C. 49
- D. 48
- E. 43

**Correct Answer:** D