

College Admission

*AFOQT
Air Force Officer Qualifying Test (AFOQT)*



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Question: 1

A man earns \$15.23 per hour and gets a raise of \$2.34 per hour. What is his new hourly rate of pay?

- A. \$12.89
- B. \$15.46
- C. \$17.57
- D. \$23.40
- E. \$35.64

Answer: C

Explanation:

To calculate his new hourly rate, add his raise to his original hourly rate.

$$\$15.23 + \$2.34 = \$17.57$$

Therefore, the man's new hourly rate is \$17.57.

Question: 2

A 140-acre forest is cut in half to make way for development. What is the size of the new forest's acreage?

- A. 70
- B. 80
- C. 90
- D. 100
- E. 120

Answer: A

Explanation:

To answer this question, calculate half of 140 acres.

$$140 \div 2 = 70$$

The size of the new forest is 70 acres.

Question: 3

A farmer has 360 cows. He decides to sell 45. Shortly after, he purchases 85 more cows. How many cows does he have?

- A. 230

- B. 315
- C. 400
- D. 490
- E. 530

Answer: C

Explanation:

First, calculate how many cows he has after selling 45.

$$360 - 45 = 315$$

Then, calculate how many cows he has after buying 85 more.

$$315 + 85 = 400$$

The farmer now has 400 cows.

Question: 4

Four friends go shopping. They purchase items that cost \$6.65 and \$159.23. If they split the cost evenly, how much will each friend have to pay?

- A. \$26.64
- B. \$39.81
- C. \$41.47
- D. \$55.30
- E. \$82.95

Answer: C

Explanation:

First, find the total cost of the items.

$$\$6.65 + \$159.23 = \$165.88$$

Then, calculate how much each friend will have to pay by dividing the total cost by the number of friends.

$$\$165.88 \div 4 = \$41.47$$

Each friend will have to pay \$41.47.

Question: 5

Five workers each earn \$135/day. What is the total amount earned by the five workers for one day of work?

- A. \$675
- B. \$700
- C. \$725
- D. \$750
- E. \$775

Answer: A

Explanation:

Each earns \$135, so to find the total earned, that amount must be multiplied by the number of workers.

$$135 \times 5 = 675$$

Therefore, the total amount earned by the five workers for one day of work is \$675.

Question: 6

In a town, the ratio of men to women is 2 : 1. If the number of women in the town is doubled, what will be the new ratio of men to women?

- A. 1 : 2
- B. 1 : 1
- C. 2 : 1
- D. 3 : 1
- E. 4 : 1

Answer: B

Explanation:

Currently, there are two men for every woman. If the number of women is doubled, then the new ratio is 2 : 2. This is equivalent to 1 : 1.

Question: 7

If one gallon of paint can paint 3 rooms, how many rooms can be painted with 28 gallons of paint?

- A. 10
- B. 25
- C. 56
- D. 84
- E. 92

Answer: D

Explanation:

One gallon of paint can paint three rooms, so to find out how many rooms 28 gallons can paint, multiply that number by 3.

$$28 \times 3 = 84$$

Therefore, 28 gallons of paint can paint 84 rooms.

Question: 8

One worker has an office that is 20 feet long. Another has an office that is 6 feet longer. What is the combined length of both offices?

- A. 26 feet
- B. 36 feet
- C. 46 feet
- D. 56 feet
- E. 66 feet

Answer: C

Explanation:

First, calculate the length of the second office.

$$20 + 6 = 26$$

The second office is 26 feet long. Then, add both values together to get the combined length.

$$26 + 20 = 46$$

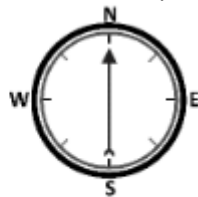
The combined length of the two offices is 46 feet.

Question: 9

Which of the answer choices represents the orientation of the plane?



Attitude Indicator



Compass

- A.
- B.
- C.
- D.

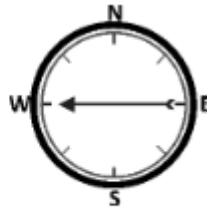
Answer: C

Question: 10

Which of the answer choices represents the orientation of the plane?



Attitude
Indicator



Compass

- A.
- B.
- C.
- D.

Answer: C

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