
Question 1:

From 7:00 AM to 11:00 AM it rained 2.25 inches. At 11:00 AM the rain increased to fall at a rate of 1.25 in. every two hours. How many inches of rain landed on the ground by 5:00 PM?

- (A) 7
- (B) 9.75
- (C) 6
- (D) 3.25
- (E) 7.125

Correct Answer:

- (C) 6

► [View Solution](#)

Question 2:

The owner of a hobby store needed to calculate the percentage of customers who purchase wood glue. Upon completing his survey, he noticed that 60% of the people that entered his store purchased an item. Of those customers, 15 percent purchased wood glue. What percent of the people that entered the store purchased wood glue?

- (A) 8%
- (B) 7%
- (C) 9%
- (D) 12%
- (E) 15%

Correct Answer:

- (C) 9%

► [View Solution](#)

Question 3:

If $1/x = 3.5$, then $1/(x+2) =$

- (A) $7/9$
- (B) $16/7$
- (C) $7/16$
- (D) $9/7$
- (E) $7/4$

Correct Answer:

- (C) $7/16$

► [View Solution](#)

Question 4:

A store owner is packing small radios into larger boxes that measure 25 in. by 42 in. by 60 in. If the measurement of each radio is 7 in. by 6 in. by 5 in., then how many radios can be placed in the box?

- (A) 300
- (B) 325
- (C) 400
- (D) 420
- (E) 480

Correct Answer:

- (A) 300

► [View Solution](#)

Question 5:

Frank is 15 years younger than John. In 5 years John will be twice as old as Frank. How old will Frank be in four years?

- (A) 8
- (B) 10

(C) 12

(D) 14

(E) 16

Correct Answer:

(D) 14

► [View Solution](#)

Question 6:

A store owner decided to raise the price of a particular item by exactly 10%. Of the following which is NOT the new price?

(A)

(1.10

(B)

)8.80

(C)

(11.00

(D)

)57.30

(E)

(78.10

Correct Answer:

(D)

)57.30

► [View Solution](#)

Question 7:

The price of a candy bar is

(1.00. The price of a ten pack of the same candy bar is

)7.40. The ten pack of candy bars is what percentage cheaper then purchasing ten candy bars individually?

(A) 18%

- (B) 26%
- (C) 32%
- (D) 48%
- (E) The prices are the same.

Correct Answer:

(B) 26%

► [View Solution](#)

Question 8:

In a certain department store, which has four sizes of a specific shirt, there are $\frac{1}{3}$ as many small shirts as medium shirts, and $\frac{1}{2}$ as many large shirts as small shirts. If there are as many x-large shirts as large shirts, what percent of the shirts in the store are medium?

- (A) 10%
- (B) 25%
- (C) 33%
- (D) 50%
- (E) 60%

Correct Answer:

(E) 60%

► [View Solution](#)

Question 9:

A new apartment complex purchased 60 toilets and 20 shower heads. If the price of a toilet is three times the price of a shower head, what percent of the total cost was the cost of all the shower heads?

- (A) 9%
- (B) 10%
- (C) 11%
- (D) 13%
- (E) 15%

Correct Answer:

(B) 10%

► [View Solution](#)

Question 10:

A car averages 55 mph for the first 4 hours of a trip and averages 70 mph for each additional hour. The average speed for the entire trip was 60 mph. How many hours long is the trip?

(A) 6

(B) 8

(C) 11

(D) 12

(E) 14

Correct Answer:

(A) 6

► [View Solution](#)