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QUESTION 1

How many square feet of tile is needed for a 24 foot × 24 foot room?

A. 576 square feet

B. 288 square feet

C. 96 square feet

D. 144 square feet

Correct Answer: A

QUESTION 2

Your local library branch has 28 employees and currently provides approximately 48 square feet per employee for a work station. The library just hired 2 new employees.

To make room to add these 2 new people, each employee\\'s work station will be reduced to about:

A. 28.8 square feet

B. 44.8 square feet

C. 42.8 square feet

D. 30.8 square feet

Correct Answer: B

QUESTION 3

Cindy\\'s test scores on her first five finals were: 90, 92, 98, 96, and 94. In order for Cindy to keep her

scholarship she needs to maintain a finals\\' average of 94 or higher.

Which of these scores on her sixth test (the final) will guarantee her average of 94 or higher?

A. 89

B. 90

C. 96

D. 88

Correct Answer: C

QUESTION 4

How many square feet of carpeting are needed to carpet a 12-foot × 12-foot room?

A. 24

B. 120

C. 48

D. 144

Correct Answer: D

QUESTION 5

Tom is flying a kite at the end of a 500-foot string. His friend Kathy is standing directly under the kite 300 feet away from Tom.

How high is the kite flying?

A. 300 feet

B. 350 feet

C. 400 feet

D. 450 feet

Correct Answer: C

QUESTION 6

Mrs. H.B. found a display model of a notebook computer to use for her business for $1,400, including software. However, since the model had been discontinued and the display had no packaging material or instructions, the store manager discounted the price to $1,150.

What was the percentage of the reduction?

A. 1.78%

B. 13.0%

C. 15.0%

D. 17.9%

Correct Answer: D

QUESTION 7

A 2-ton truck is taxed at a rate of $0.12 per pound. How much is the total tax bill?

A. $480

B. $240

C. $120

D. $600

Correct Answer: A

QUESTION 8

A fire team is made up of four junior enlisted men and one noncommissioned officer as the team leader. A

group of 64 privates fresh from basic training is to be divided into fire teams.

How many team leaders will be needed?

A. 8

B. 10

C. 12

D. 16

Correct Answer: D

QUESTION 9

Carpet costs $3 per square yard. The room that will be carpeted is 12 feet x 18 feet. How much will the carpet cost?

A. $648

B. $216

C. $72

D. $324

Correct Answer: C

QUESTION 10

21/4 + 63/8 = _____.

A. 8

B. 83/8

C. 85/8

D. 9

Correct Answer: C

QUESTION 11

Two bicyclists head toward each other from the opposite ends of Main Street, which is six miles long. The first biker started at 2:05 going 12 mph. The second biker began peddling 4 minutes later at a rate of 14 mph.

What time will they meet?

A. 2:13

B. 2:24

C. 2:29

D. 2:34

Correct Answer: C

QUESTION 12

Chris is driving a truck that can hold 4 tons maximum. He has a shipment of food weighing 26,000 pounds. How many trips will he need to make to deliver all of the food?

A. 1 trip

B. 3 trips

C. 4 trips

D. 2 trips

Correct Answer: C

QUESTION 13

Steve is mailing a small package. Postage rates are: $0.46 for the first ounce and $0.20 for each additional ounce. The UPS store is offering a special for $3.45 on a small box if your items fit, the weight not being a factor. Which of the following weights would make it cheaper for Steve to ship his package by the post office rather than by UPS?

A. 18 ounces or higher

B. 16 ounces

C. 15 ounces

D. 17 ounces

Correct Answer: C

QUESTION 14

During Friday night\\'s high school performance of the play Seven Brides for Seven Brothers, 76% of the seats in the performing arts center (with a seating capacity of 500 people) were occupied, and three-quarters of those attending were parents.

How many high school students attended the play?

A. 95

B. 100

C. 76

D. 285

Correct Answer: A

QUESTION 15

A personal trainer earns a 65% commission on her training sales.

If she sells $530.00 worth of training, how much commission does she make?

A. $874.50

B. $34.45

C. $344.50

D. $185.50

Correct Answer: C

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