

Section Two: Quantitative

1. After having to pay increased income taxes this year, Edmond has to sell his BMW. Edmond bought the

A. \$35,600

B. \$24,200

C. \$28,900

D. \$39,200

E. \$37,300

Answer(s): D

2. If there are 16 people to choose from, what is the ratio of the number of possible 7-person committees to

A. 8:9

B. 8:7

C. 9:8

D. 7:8

E. 7:9

Answer(s): A

3. A roast was cooked at 325 F in the oven for 4 hours. The internal temperature rose from 32 F to 145 F.

A. 37 F/hr

B. 20.2 F/hr

C. 28.25 F/hr

D. 37.29 F/hr

E. 32.03 F/hr

Answer(s): C

4. $3 \frac{1}{4} - \frac{1}{2} =$

A. $\frac{1}{4}$

B. $\frac{1}{2}$

C. $\frac{1}{3}$

D. $\frac{2}{3}$

E. $\frac{2}{5}$

Answer(s): A

5. You purchase a car making a down payment of \$3,000 and 6 monthly payments of \$225. How much have

A. \$6398

B. \$3225

C. \$5375

D. \$4350

E. \$6550

Answer(s): D

6. Which of the following is equivalent to ?

A. Option C

B. Option B

C. Option A

D. Option D

Answer(s): C

7. Which of the following fractions is equal to $\frac{5}{6}$?

A. $\frac{2}{7}$

B. $\frac{25}{30}$

C. $\frac{15}{24}$

D. $\frac{20}{30}$

E. $\frac{40}{54}$

Answer(s): B

8. In triangle ABC, side AB is congruent to side BC. If the degree measure of B is b , which of the following

A. 180-

B. 90-

C. 180-b

D. 90-b

E. . b

Answer(s): B

9. You have orders to give a patient 20 mg of a certain medication. The medication is stored 4 mg per 5-mL

A. 15 mL

B. 35 mL

C. 25 mL

D. 20 mL

E. 30 mL

Answer(s): C

10. Employees of a discount appliance store receive an additional 20% off of the lowest price on an item. If an

A. \$306

B. \$280.90

C. \$333.89

D. \$292.50

E. \$287

Answer(s): A

11. Fifteen buoys, numbered 1 to 15, are positioned equidistantly along a straight path for a sailboat race.

A. 45

B. 32.5

C. 25

D. 22.5

E. 15

Answer(s): C

12. 8 3,000 equals:

A. 83.0×10^2

B. 8.3×10^3

C. 83.0×10^4

D. 8.3×10^4

E. 83.0 x 105

Answer(s): D

13. Which of the following correctly identifies 4 consecutive odd integers where the sum of the middle two

A. 7,9, 11, 13

B. 13, 15, 17, 19

C. 9, 11, 13, 15

D. 5, 7, 9, 11

E. 11, 13, 15, 17

Answer(s): C

14. How many cubed pieces of fudge that are 3 inches on an edge can be packed into a Christmas tin that is

A. 32

B. 24

C. 18

D. 43

E. 36

Answer(s): B

15. If 7,650 trucks were sold in 1999, how many total vehicles were sold in 1999 by XYZ Auto Company?

A. 50,000

B. 45,000

C. 55,000

D. 40,000

E. 35,000

Answer(s): B

16. What was the average amount of money that Jessica's budget allowed for clothing the first six months of

A. \$250.40

B. \$249.90

C. \$251.32

D. \$253.33

E. \$255.75

Answer(s): E

17. The shaded are in the below figure is 65% of the are of the entire circle, what is the value of d?

A. if it is impossible to determine which quantity is greater

B. if the quantity in Column B is greater

C. if the quantity in Column A is greater

D. if the two quantities are equal

Answer(s): D

18. In the figure shown, if $y = 130$ and $z = 100$, then $x =$

A. 40

B. 45

C. 50

D. 55

E. 60

Answer(s): C

19. A mattress store sells their stock for 15% off of retail. If someone pays cash, they take an additional 10%

A. \$637.50

B. \$573.75

C. \$550.75

D. \$562.50

E. \$675.00

Answer(s): B

20. Sabrina's boss states that she will increase Sabrina's salary from \$12,000 to \$14,000 per year if she

A. 117%

B. 15%

C. 85%

D. 16.7%

E. 17.2%

Answer(s): D
