

Scholastic Assessment Test: Reading, Writing and Language, Mathematics

1. If Lynn can type a page in p minutes, what piece of the page can she do in 5 minutes?

A. $5/p$

B. $p - 5$

C. $p + 5$

D. $p/5$

E. $1 - p + 5$

Answer(s): A

2. If Sally can paint a house in 4 hours, and John can paint the same house in 6 hour, how long will it take for both of them to paint the house together?

A. 2 hours and 24 minutes

B. 3 hours and 12 minutes

C. 3 hours and 44 minutes

D. 4 hours and 10 minutes

E. 4 hours and 33 minutes

Answer(s): A

3. Employees of a discount appliance store receive an additional 20% off of the lowest price on an item. If an employee purchases a dishwasher during a 15% off sale, how much will he pay if

the dishwasher originally cost \$450?

A. \$280.90

B. \$287

C. \$292.50

D. \$306

E. \$333.89

Answer(s): D

4. The sales price of a car is \$12,590, which is 20% off the original price.

What is the original price?

A. \$14,310.40

B. \$14,990.90

C. \$15,290.70

D. \$15,737.50

E. \$16,935.80

Answer(s): D

5. Solve the following equation for A: $\frac{2A}{3} = 8 + 4A$

A. -2.4

B. 2.4

C. 1.3

D. -1.3

E. 0

Answer(s): A

6. If Leah is 6 years older than her sister, Sue, and John is 5 years older than Leah, and the total of their ages is 41 Then how old is Sue?

A. 8

B. 10

C. 14

D. 19

E. 21

Answer(s): A

7. Alfred wants to invest \$4,000 at 6% simple interest rate for 5 years. How much interest will he receive?

A. \$240

B. \$480

C. \$720

D. \$960

E. \$1,200

Answer(s): E

8. Jim is able to sell a hand-carved statue for \$670 which was a 35% profit over his cost. How much did the statue originally cost him?

A. \$496.30

B. \$512.40

C. \$555.40

D. \$574.90

E. \$588.20

Answer(s): A

9. The city council has decided to add a 0.3% tax on motel and hotel rooms. If a traveler spends the night in a motel room that costs \$55 before taxes, how much will the city receive in taxes from him?

A. 10 cents

B. 11 cents

C. 15 cents

D. 17 cents

E. 21 cents

Answer(s): D

10. A student receives his grade report from a local community college, but the GPA is smudged. He took the following classes: a 2 hour credit art, a 3 hour credit history, a 4 hour credit science course, a 3 hour credit mathematics course, and a 1 hour science lab. He received a "B" in the art class, an "A" in the history class, a "C" in the science class, a "B" in the mathematics class, and an "A" in the science lab.

What was his GPA if the letter grades are based on a 4 point scale? (A=4, B=3, C=2, D=1, F=0)

A. 2.7

B. 2.8

C. 3.0

D. 3.1

E. 3.2

Answer(s): C

11. Simon arrived at work at 8:15 A.M. and left work at 10: 30 P.M. If Simon gets paid by the hour at a rate of \$10 and time and $\frac{1}{2}$ for any hours worked over 8 in a day. How much did Simon get paid?

A. \$120.25

B. \$160.75

C. \$173.75

D. \$180

E. \$182.50

Answer(s): C

12. Grace has 16 jellybeans in her pocket. She has 8 red ones, 4 green ones, and 4 blue ones. What is the minimum number of jellybeans she must take out of her pocket to ensure that she has one of each color?

A. 4

B. 8

C. 12

D. 13

E. 16

Answer(s): D

13. If $r = 5z$ then $15z = 3y$, then $r =$

A. y

B. $2y$

C. $5y$

D. $10y$

E. $15y$

Answer(s): A

14. If 300 jellybeans cost you x dollars. How many jellybeans can you purchase for 50 cents at the same rate?

A. $150/x$

B. $150x$

C. $6x$

D. $1500/x$

E. 600x

Answer(s): A

15. Lee worked 22 hours this week and made \$132. If she works 15 hours next week at the same pay rate, how much will she make?

A. \$57

B. \$90

C. \$104

D. \$112

E. \$122

Answer(s): B

16. If $8x + 5x + 2x + 4x = 114$, the $5x + 3 =$

A. 12

B. 25

C. 33

D. 47

E. 86

Answer(s): C

17. You need to purchase a textbook for nursing school. The book cost \$80.00, and the sales tax where you are purchasing the book is 8.25%. You have \$100. How much change will you receive back?

A. \$5.20

B. \$7.35

C. \$13.40

D. \$19.95

E. \$21.25

Answer(s): C

18. You purchase a car making a down payment of \$3,000 and 6 monthly payments of \$225. How much have you paid so far for the car?

A. \$3225

B. \$4350

C. \$5375

D. \$6550

E. \$6398

Answer(s): B

19. Your supervisor instructs you to purchase 240 pens and 6 staplers for the nurse's station. Pens are purchased in sets of 6 for \$2.35 per pack. Staplers are sold in sets of 2 for 12.95. How much will be purchasing these products cost?

A. \$132.85

B. \$145.75

C. \$162.90

D. \$225.25

E. \$226.75

Answer(s): A

20. If $y = 3$, then $y^3(y^3 - y) =$

A. 300

B. 459

C. 648

D. 999

E. 1099

Answer(s): C
