

Arithmetic Sample Questions

For each of the questions below, choose the best answer from the four choices given. You may use the paper you received as scratch paper.

1. $2.75 + .003 + .158 =$
 - A. 4.36
 - B. 2.911
 - C. 0.436
 - D. 2.938
2. $7.86 \times 4.6 =$
 - A. 36.156
 - B. 36.216
 - C. 351.56
 - D. 361.56
3. $7 / 20 =$
 - A. 0.035
 - B. 0.858
 - C. 0.35
 - D. 3.5
4. Which of the following is the least?
 - A. 0.105
 - B. 0.501

- C. 0.015
- D. 0.15

5. All of the following are ways to write 25 percent of N EXCEPT for:

- A. $0.25 N$
- B. $25N / 100$
- C. $\frac{1}{4} N$
- D. $25 N$

6. Which of the following is closest to 27.8×9.6 ?

- A. 280
- B. 300
- C. 2,800
- D. 3,000

7. A soccer team played 160 games and won 65 percent of them. How many games did it win?

- A. 94
- B. 104
- C. 114
- D. 124

8. Three people who work full-time are to work together on a project, but their total time on the project is to be equivalent to that of only one person working full-time. If one of the people is budgeted for one-half of his time to the project and a second person for one-third of her time, what part of the third worker's time should be budgeted to this project?

- A. $\frac{1}{3}$
- B. $\frac{3}{5}$
- C. $\frac{1}{6}$
- D. $\frac{1}{8}$

9. 32 is 40 percent of what number?

- A. 12.8
- B. 128
- C. 80
- D. 800

10. $3\frac{1}{3} - 2\frac{2}{5} =$

- A. $1\frac{1}{2}$
- B. $\frac{1}{15}$
- C. $\frac{14}{15}$
- D. $1\frac{1}{15}$

11. $2\frac{1}{2} + 4\frac{2}{3} =$

- A. $6\frac{1}{6}$
- B. $6\frac{5}{6}$
- C. $7\frac{1}{6}$
- D. $7\frac{5}{6}$

12. What is $(1,345)/(99)$ rounded to the nearest integer?
- A. 12
 - B. 13
 - C. 14
 - D. 15
13. Three of four numbers have a sum of 22. If the average of the four numbers is 8, what is the fourth number?
- A. 4
 - B. 6
 - C. 8
 - D. 10
14. $46.2 \times 10^{-2} =$
- A. 0.0462
 - B. 0.462
 - C. 4.62
 - D. 462
15. If $(3/2) \div (1/4) = n$, then n is between
- A. 1 and 3
 - B. 3 and 5
 - C. 5 and 7
 - D. 7 and 9
16. What is 12% of 120?
- A. 10
 - B. 14.4
 - C. 18.4
 - D. 28.8
17. A box in a college bookstore contains books, and each book in the box is a history book, an English book or a science book. If one-third of these books are history books and one-sixth are English books, what fraction of the books are science books?
- A. $1/3$
 - B. $1/2$
 - C. $2/3$
 - D. $3/4$
18. The measures of two angles of a triangle are 35° and 45° . What is the measure of the third angle of the triangle?
- A. 95°
 - B. 100°
 - C. 105°
 - D. 110°
19. Erica bought $3\frac{1}{2}$ yards of fabric. If she uses $2/3$ of the fabric to make a curtain, how much will she have left?
- A. $1/6$ yd.
 - B. $1/3$ yd.
 - C. $1\frac{1}{6}$ yd.
 - D. $2\frac{1}{3}$ yd.

20. Jen wants to tile the floor of her kitchen. The floor is rectangular and measures 12 feet by 8 feet. If it costs \$2.50 per square foot for the materials, what is the total cost of the materials for tiling the kitchen floor?

- A. \$160
- B. \$200
- C. \$220
- D. \$240

Answers:

- 1. B
- 2. A
- 3. C
- 4. C
- 5. D
- 6. A
- 7. B
- 8. C
- 9. C
- 10. C
- 11. C
- 12. C
- 13. D
- 14. B
- 15. C
- 16. B
- 17. B
- 18. B
- 19. C
- 20. D