## **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.

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1. 2.75 + .003 + .158 =
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A. 4.36

B. 2.911

C. 0.436

D. 2.938

2. 7.86 × 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. 0.015D. 0.15 C. 1/4 N
- 5. All of the following are ways to write 25 percent of N **EXCEPT** for:
  - A. 0.25 N
  - B. 25N / 100

  - D. 25 N
- 6. Which of the following is closest to  $27.8 \times 9.6$ ?
  - 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. 1/3
  - B. 3/5
  - C. 1/6
  - D. 1/8
- 9. 32 is 40 percent of what number?
  - A. 12.8
  - B. 128
  - C. 80
  - D. 800
- 10. 3 1/3 2 2/5 =
  - A. 1 1/2
  - B. 1/15
  - C. 14/15
  - D. 1 1/15
- $11.2\frac{1}{2} + 4\frac{2}{3} =$ 
  - A. 6 1/6
  - B. 6 5/6
  - C. 7 1/6
  - D. 7 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. ¾ 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 ½ 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 1/6 yd. D. 2 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. B15. C
- 16. B
- 17. B
- 18. B
- 19. C
- 20. D