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 × 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. 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. 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. $3 \frac{1}{3} - 2 \frac{2}{5} =$
    A. $1 \frac{1}{2}$
    B. 1/15
    C. 14/15
    D. $1 \frac{1}{15}$

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. B
15. C
16. B
17. B
18. B
19. C
20. D