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 =
        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
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B. 0.501

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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?

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- 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 |
| | |
| 10.31/3 | 3 – 2 2/5 = |
| | A. 1 1/2 |
| | B. 1/15 |
| | C. 14/15 |
| | D. 1 1/15 |
| | |
| 11.2 ½ | +42/3 = |
| | A. 6 1/6 |
| | B. 6 5/6 |
| | C 7 1/6 |

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 × 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