

Decimals

Multiple Choice. *Write the letter for the best answer in the space provided.*

A. Find the correct equivalent.

_____ 1. Find the words that means the same as 7.5.

- a. seventy and five tenths c. seven and five hundredths
b. seven and five tenths d. seven and five thousandths

_____ 2. Find the decimal equivalent of ninety and four hundredths.

- a. 9.04 c. 90.04
b. 9.14 d. 90.004

_____ 3. Put the following decimals in order from smallest to largest: 0.402, 0.420, 0.042, 0.442.

- a. 0.420, 0.042, 0.442, 0.402 c. 0.442, 0.042, 0.402, 0.420
b. 0.042, 0.402, 0.420, 0.442 d. 0.042, 0.402, 0.442, 0.420

B. Solve the following equations. Show your work.

_____ 4. $9.78 - 4.9 =$

- a. 4.68 c. 4.88
b. 4.78 d. 4.98

_____ 5. $6.001 + 9.003 + 13.3 =$

- a. 15.214 c. 28.138
b. 15.412 d. 28.304

_____ 6. Two coatings have been applied to the outside of a pipe. The first coating is 51.5 microns thick, and the second coating is 89.7 microns thick. How thick are the combined coatings?

- a. 141.2 microns c. 144.2 microns
b. 142.12 microns d. 145.02 microns

_____ 7. A storage tank held 675.57 gallons of fuel last week. Yesterday 356.9 gallons were removed. How many gallons of fuel remain?

- a. 3.18 c. 318.67
b. 31.86 d. 3186.7

_____ 8. Machine screws cost \$1.45 per pack; carriage bolts cost \$0.78 per pack. The screws cost _____ more per pack than the bolts.

- a. \$0.67 c. \$1.67
b. \$1.37 d. \$1.87

_____ 9. $57.80 \times 40 =$

- a. 2,312
- b. 2,316
- c. 2,318
- d. 2,320

_____ 10. $3.53 \times 9.75 =$

- a. 12.28
- b. 34.4175
- c. 36.1387
- d. 48.13

_____ 11. It costs \$2.37 to paint one square foot of wall. You need to paint a wall that measures 864.5 square feet. It will cost _____ to paint that wall (round your answer to the nearest hundredth).

- a. \$204.88
- b. \$2,048.87
- c. \$2,848.88
- d. \$2,888.86

_____ 12. $57.80 \div 40 =$

- a. 1.445
- b. 14.15
- c. 145.5
- d. 1455

_____ 13. $89.435 \div 0.05 =$

- a. 1788.7
- b. 17.887
- c. 4.47175
- d. 447.175

C. Find the correct equivalent

_____ 14. A bolt is $1\frac{1}{2}$ " long. What is the decimal representation of this?

- a. 1.5"
- b. 1.2"
- c. 2.1"
- d. 5.1"

_____ 15. One quarter inch is equivalent to:

- a. .25"
- b. 1.25"
- c. 2.5"
- d. .4"