

Chapter 1 Test Review

Use Mental Math to find the answers (you may write the problem down if you need to).

1. $54 + 26$

$$\boxed{80}$$

2. $(12 + 64) + 188$

$$\begin{aligned} &(12 + 188) + 64 \\ &200 + 64 \\ &\boxed{264} \end{aligned}$$

3. $4 \times 43 \times 25$

$$\begin{aligned} &4 \times 25 \times 43 \\ &100 \times 43 \\ &\boxed{4300} \end{aligned}$$

4. Write the property that is being shown in each problem:

$(3 + 5) + 6 = (6 + 5) + 3$

COMMUTATIVE

$3 \times (4 \times 2) = (3 \times 4) \times 2$

ASSOCIATIVE

5. Solve the following problems using the correct order of operations:

a. $30 - 5 + 4 \times 3$

$$\begin{aligned} &30 - 5 + \underline{12} \\ &\underline{25} + 12 \\ &\boxed{37} \end{aligned}$$

b. $6 - (27 - 9) \div 3$

$$\begin{aligned} &6 - \underline{18} \div 3 \\ &6 - \underline{6} \\ &\boxed{0} \end{aligned}$$

c. $150 \div 5 \times 3$

$$\begin{aligned} &\underline{30} \times 3 \\ &\boxed{90} \end{aligned}$$

d. $5 \times 8 + 4 \div 2$

$$\begin{aligned} &\underline{40} + \underline{4} \div 2 \\ &40 + \underline{2} \\ &\boxed{42} \end{aligned}$$

e. $3 \times (28 + 32) - 10$

$$\begin{aligned} &3 \times \underline{60} - 10 \\ &\underline{180} - 10 \\ &\boxed{170} \end{aligned}$$

f. $(9 - 4) \times 2 - (4 + 3) + 20 \div 5$

$$\begin{aligned} &\underline{5} \times 2 - (\underline{4} + \underline{3}) + \underline{20} \div 5 \\ &5 \times 2 - \underline{7} + \underline{20} \div 5 \\ &10 - \underline{7} + \underline{20} \div 5 \\ &10 - \underline{7} + \underline{4} \\ &\underline{3} + \underline{4} \\ &\boxed{7} \end{aligned}$$

6. Add or subtract the following decimals:

a. $3.026 + 14.7 + 1.38$

$$\begin{array}{r} 3.026 \\ 14.700 \\ + 1.380 \\ \hline \boxed{19.106} \end{array}$$

b. $8.001 - 0.77$

$$\begin{array}{r} 8.001 \\ - 0.770 \\ \hline \boxed{7.231} \end{array}$$

c. $0.33 + 3.2 - 1.11$

$$\begin{array}{r} 0.33 \\ + 3.20 \\ \hline 3.53 \\ - 1.11 \\ \hline \boxed{2.42} \end{array}$$

d. $60 - 2.037$

$$\begin{array}{r} 60.000 \\ - 2.037 \\ \hline \boxed{57.963} \end{array}$$

7. Round to the underlined place:

a. $54.\underline{1}8$

$$\boxed{54.20}$$

b. $37.\underline{6}27$

$$\boxed{37.600}$$

c. $16.\underline{9}5$

$$\boxed{17.00}$$

d. $5.\underline{1}25$

$$\boxed{5.130}$$

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8. Write the following decimals in words

a. 49.123 FORTY NINE AND ONE HUNDRED TWENTY THREE THOUSANDTHS

b. 0.5438 FIVE THOUSAND FOUR HUNDRED THIRTY EIGHT TEN THOUSANDTHS

c. 1.92 ONE AND NINETY TWO HUNDREDTHS

9. Write the following words as decimals

a. three thousand four hundred twenty seven ten-thousandths

0.3427 or .3427

b. twelve and six hundredths

12.06

c. four and one hundred three thousandths

4.103

10. Multiply or divide the following decimals

a. $21.6 \div 0.06$

$$\begin{array}{r} 360. \\ 0.06 \overline{) 21.60} \\ \underline{-18} \\ 36 \\ \underline{-36} \\ 0 \end{array}$$

b. $97.2 \div 1.2$

$$\begin{array}{r} 81 \\ 1.2 \overline{) 97.2} \\ \underline{-96} \\ 12 \\ \underline{-12} \\ 0 \end{array}$$

c. 4.7×63.1

$$\begin{array}{r} 63.1 \\ \times 4.7 \\ \hline 4417 \\ 25240 \\ \hline 29657 \end{array}$$

d. $.36 (15)$

$$\begin{array}{r} 36 \\ \times 15 \\ \hline 180 \\ 360 \\ \hline 540 \end{array}$$

12. Nikki spent \$6.24 on pet food. The food costs \$.24 per cup. How many cups of pet food did Nikki purchase?

$$\begin{array}{r} 26 \\ 24 \overline{) 6.24} \\ \underline{-48} \\ 144 \\ \underline{-144} \\ 0 \end{array}$$

26 cups

12. Mr. Peppers bought 5 packages of rubber bands. If the packages cost \$1.39, \$1.59, \$0.89, \$1.98 and \$1.13 how much money did Mr. Peppers spend on rubber bands?

\$6.98

$$\begin{array}{r} 1.39 \\ 1.59 \\ 0.89 \\ 1.98 \\ + 1.13 \\ \hline 6.98 \end{array}$$

13. Nadia has a pitcher with 22.5 ounces of fruit punch. How many 4.5 ounce glasses can she pour?

$$\begin{array}{r} 5 \\ 4.5 \overline{) 22.5} \\ \underline{-22.5} \\ 0 \end{array}$$

5 GLASSES