

PRACTICE PROBLEMS

NAME : **KEY**

WORKING WITH DECIMALS

$$1. 1.2883 + 32.45 = \begin{array}{r} 1.2883 \\ +32.45 \\ \hline 33.7383 = 33.74 \end{array}$$

$$2. 0.38745 + 625.985 = \begin{array}{r} 0.38745 \\ + 625.985 \\ \hline 626.37245 = 626.372 \end{array}$$

$$3. 4.13 - 3.064 = \begin{array}{r} 4.13 \\ - 3.064 \\ \hline 1.066 = 1.07 \end{array}$$

$$4. 253.9 - 43.101 = \begin{array}{r} 253.9 \\ - 43.101 \\ \hline 210.799 = 210.8 \end{array}$$

$$5. 8.7 \times 0.003 = \text{4 places; } 87 \times 3 = 261 \rightarrow 0.0261 \rightarrow 0.03$$

$$6. 0.43 \times 4000 = \text{2 places; } 43 \times 4000 = 172,000 \rightarrow 1,720.00 \rightarrow 2,000$$

$$7. 4800 / 0.12 = \text{Move Denominator/Numerator 2 places}$$

$$480000/12 = \begin{array}{r} 40000 \\ 12 \overline{)480000} \\ \hline \end{array} = 40,000$$

$$8. 0.88 / 0.023 = \text{Move Denominator/Numerator 3 places}$$

$$880/23 = \begin{array}{r} 38.26 \\ 23 \overline{)880.000} \\ \hline \end{array} = 38.3 \rightarrow 38$$

WORKING WITH ORDER OF OPERATION

1. $50 \times 5.0 - 30 = (50 \times 5.0) - 30 = (250) - 30 = 220$

2. $30 - 50 \times 5.0 = 30 - (50 \times 5.0) = 30 - 250 = -220$

3. $90 - \{[20 \times (8.0 - 5.0)] + 15\} =$

$$90 - \{[20 \times (3.0)] + 15\} = 90 - \{[60] + 15\} =$$

$$90 - \{60 + 15\} = 90 - 75 = 15$$

4. $128 - \{[12 \times (3.0 - 13)] + 18\} = 128 - \{[12 \times (-10)] + 18\} =$
 $128 - \{[-120] + 18\} = 128 - \{-102\} =$
 $128 + 102 = 230$

5. $50 + 10 / 2 = 50 + 5 = 55$

6. $27 + 15 / 3 = 27 + 5 = 32$

7. $342 - 9.0 \times 2.0 = 342 - 18 = 324$

8. $28 - [4.0 \times (22 - 11)] + 67 = 28 - [4.0 \times (11)] + 67 = 28 - 44 + 67 =$
 $= 28 + 23 = 51$