

## COMPARE AND ORDER

Remember: The  $<$  symbol means *is less than* and the  $>$  symbol means *is greater than*. You can use a number line to compare and order decimals if needed.

Complete the statement using  $<$ ,  $>$ , or  $=$

1)  $0.543$   $>$   $0.54$

$$\begin{array}{r} 0.543 \\ 0.540 \end{array}$$

2)  $1.03$   $<$   $1.30$

$$\begin{array}{r} 1.03 \\ 1.30 \end{array}$$

3)  $0.425$   $=$   $0.4250$

$$\begin{array}{r} 0.4250 \\ 0.4250 \end{array}$$

4)  $0.68$   $>$   $0.62$

$$\begin{array}{r} 0.68 \\ 0.62 \end{array}$$

Order the numbers from least to greatest.

1)  $5.1, 5.2, 5.05, 5, 5.12,$  and  $5.15$

$5, 5.05, 5.1, 5.12, 5.15, 5.2$

$$\begin{array}{r} 5.10 \\ 5.20 \\ 5.05 \\ 5.00 \\ 5.12 \\ 5.15 \end{array}$$

2)  $0.2, 0.002, 2.0, 0.0022, 0.00002, 0.2222$

$0.00002, 0.002, 0.0022, 0.2222$   
 $0.2, 2.0$

$$\begin{array}{r} 0.20000 \\ 0.00200 \\ 2.00000 \\ 0.00220 \\ 0.00002 \\ 0.22220 \end{array}$$

# MULTIPLYING DECIMALS

Remember: To multiply decimals, multiply as you would whole numbers, then place the decimal point in the product. The number of decimal places in the product is equal to the sum of the number of decimal places in the factors.

Examples:

*\* you do NOT need to line up decimals to multiply!*

1)  $4.943 \times 0.4 =$

2)  $3.6 \times 0.023 =$

estimate  $\approx 5 \times .5 = 2.5$

estimate  $\approx 0-1$

$$\begin{array}{r} 4.943 \\ * .4 \\ \hline 19772 \end{array}$$

4 digits after decimal

$$\begin{array}{r} 3.6 \\ * .023 \\ \hline 108 \\ 720 \\ + 0000 \\ \hline .0828 \end{array}$$

4 digits after decimal

3)  $5.625 \times 3.25 =$

estimate  $\approx 6 \times 3 = 18$

4)  $15.2 \times 0.004 =$

estimate  $\approx 15 \times 0 = 0$

$$\begin{array}{r} 5.625 \\ * 3.25 \\ \hline 28125 \\ + 112500 \\ + 1687500 \\ \hline 18.28125 \end{array}$$

5 digits after decimal

$$\begin{array}{r} 15.2 \\ * 0.004 \\ \hline .0608 \end{array}$$

4 digits after decimal