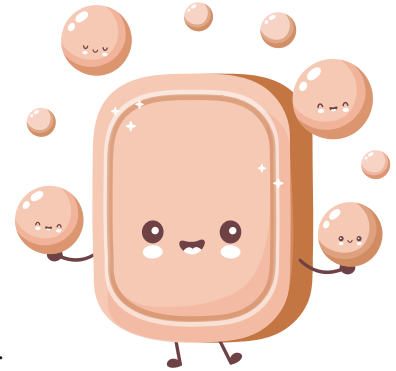Name _____   Date _____

HOW TO
MULTIPLY DECIMALS

Multiplying decimals may seem like a daunting task at first, but once you learn how, you'll find that it's just like multiplying regular numbers! To multiply decimals, follow the steps below.

1. Multiply normally, ignoring the decimal points.

2. Place the decimal point in the answer in the correct spot. It will have as many decimal places as the 2 original numbers combined.

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example: Multiply 0.03 by 11

1. Start with: **0.03 × 11**

2. Multiply without decimal points: **3 × 11 = 33**

3. 0.03 has 2 decimal places and 11 has no decimal places.

4. The total number of decimal places is 2.

5. Therefore, our answer has 2 decimal places: **0.33**

DIRECTIONS: Solve the following multiplication problems. Do not forget to count the number of decimal places in the original numbers and place the decimal point in your answer.

1.
$$\begin{array}{r} 2.4 \\ \times\ 9 \\ \hline \end{array}$$
21.6

2.
$$\begin{array}{r} .12 \\ \times\ .2 \\ \hline \end{array}$$
.024

3.
$$\begin{array}{r} 11.4 \\ \times\ 2 \\ \hline \end{array}$$
22.8

4.
$$\begin{array}{r} 5.9 \\ \times\ 1\,2 \\ \hline \end{array}$$
70.8

5.
$$\begin{array}{r} .10 \\ \times\ .03 \\ \hline \end{array}$$
.003

6.
$$\begin{array}{r} 15 \\ \times\ .29 \\ \hline \end{array}$$
4.35

7.
$$\begin{array}{r} 6.4 \\ \times\ 2\,9 \\ \hline \end{array}$$
185.6

8.
$$\begin{array}{r} 1.3 \\ \times\ 3.4 \\ \hline \end{array}$$
4.42

9.
$$\begin{array}{r} 1.210 \\ \times\ .295 \\ \hline \end{array}$$
0.35695