

Name _____

Place the Decimal Point

How many decimal places are in the product of 0.21 and 0.03?

Step 1

Add the number of decimal places from each factor.

$$\begin{array}{r}
 \underline{0.21} \times \underline{0.03} = \quad ? \\
 2 \text{ places} + 2 \text{ places} = 4 \text{ places} \\
 \begin{array}{r}
 0.21 \\
 \times 0.03 \\
 \hline
 0. _ _ _ _
 \end{array}
 \end{array}$$

Step 2

Multiply the numbers just like whole numbers. To have 4 decimal places, you have to add 2 zeros before the 63.

$$\begin{array}{r}
 0.21 \\
 \times 0.03 \\
 \hline
 63 \\
 + 000 \\
 \hline
 0.0063
 \end{array}$$

Write how many decimal places are in each number.

1. 0.105

2. 0.0006

3. 0.008

Write how many decimal places are in each product. Then write the product. The first one has been done for you.

4. 0.3×0.5
 = 0.
 = **0.15**

5. 0.6×0.03

6. 0.002×0.8

7. 0.24×0.01

8. 0.3×0.4

9. 0.7×0.2

Find each product.

10. $0.5 \times 0.03 =$ _____

11. $0.06 \times 1.8 =$ _____

12. $7 \times 0.08 =$ _____