

2.5 Multiplying Decimals
Assignment

Name: _____ P. _____

1. If you know $12 \times 24 = 288$, how can you find 1.2×2.4 ? Explain.

2. Is the product 1.23×8 greater than or less than 8? Explain.

3. Place the decimal point in the product.

$$\begin{array}{r} 9.24 \\ \times 0.68 \\ \hline 62832 \end{array}$$

Multiply. Use estimation to check your answer.

4. $\begin{array}{r} 7.19 \\ \times 16 \\ \hline \end{array}$

5. 19×0.004

6. $\begin{array}{r} 0.0008 \\ \times 0.004 \\ \hline \end{array}$

7. Correct the error in the solution.

$$\begin{array}{r} 0.0045 \\ \times \quad 9 \\ \hline 4.05 \end{array}$$

8. The weight of an object on the Moon is about 0.167 of its weight on Earth. How much does a 180 pound astronaut weigh on the Moon?

9. A bamboo plant grows about 1.25 feet each day. Find the growth in one week.

10. Alabama has about 2.51 million acres of cropland. Florida has about 1.15 times as much cropland as Alabama. How much cropland does Florida have?