

Vocabulary: Multiplying Decimals



Vocabulary

- Area – the number of square units inside a shape or figure.
 - The area of a rectangle can be found by multiplying its two dimensions, *length* and *width*.
 - For a rectangle, $\text{area} = \text{length} \times \text{width}$, or $A = l \times w$.
- Estimate – a rough calculation or best guess.
 - A good estimate is reasonably close to the exact answer.
 - Estimates are useful for making quick calculations in your head.
 - For example, an estimate of 10.2×4.9 is 10×5 , or 50.
 - The word “estimate” can also be used as a verb: “He estimated that it would take one hour to finish his homework.”
- Partial product – a product formed by multiplying a part of one number by a part of another number.
 - The root word of “partial” is “part.” When finding partial products, you split the product into several parts.
 - The total product is found by adding all of the partial products.
 - For example, when multiplying 3.4×5 , one partial product is 3×5 , or 15. The other partial product is 0.4×5 , or 2. So the total product is $15 + 2 = 17$.
- Product – the answer to a multiplication problem.
 - For example, the *product* of 3 and 4 is 12 because $3 \times 4 = 12$.