Vocabulary: Multiplying Decimals

dictionary2

**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, area = length × width, or *A* = *l* × *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 × 4 = 12.