Vocabulary: Multiplying Decimals

📖 **Vocabulary**

- <u>Area</u> – 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 $A = l \times w$.

- <u>Estimate</u> – 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."

- <u>Partial product</u> – 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.

- <u>Product</u> – the answer to a multiplication problem.
  - For example, the *product* of 3 and 4 is 12 because 3 × 4 = 12.