

## KEY CONCEPT OVERVIEW

---

In Lessons 11 and 12, students learn to multiply a decimal by a one-digit whole number by using an **area model** (as shown in the Sample Problem below).

You can expect to see homework that asks your child to do the following:

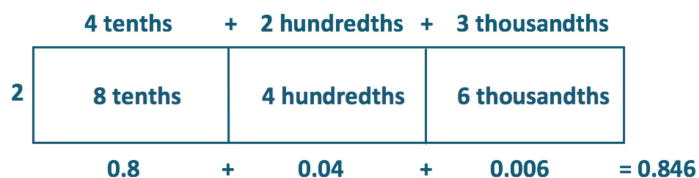
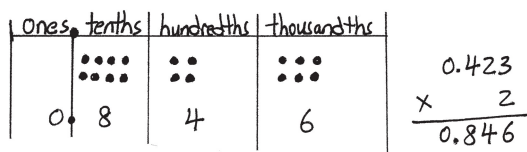
- Draw **place value disks** on a place value chart to solve multiplication problems.
- Draw area models to solve multiplication problems.
- Estimate and explain the reasonableness of the **product**.
- Solve word problems.

## SAMPLE PROBLEM (From Lesson 11)

---

Solve by drawing disks on a place value chart and by using the area model.

$$2 \times 0.423 = \mathbf{0.846}$$



Additional sample problems with detailed answer steps are found in the *Eureka Math Homework Helpers* books. Learn more at [GreatMinds.org](http://GreatMinds.org).

## HOW YOU CAN HELP AT HOME

---

- Practice basic multiplication facts by rolling two dice and multiplying the numbers that were rolled.
- Review rounding with your child. Give your child a number, and have him round to the nearest one ( $2.649 \approx 3$ ), the nearest tenth ( $2.649 \approx 2.6$ ), and the nearest hundredth ( $2.649 \approx 2.65$ ).

**TERMS**

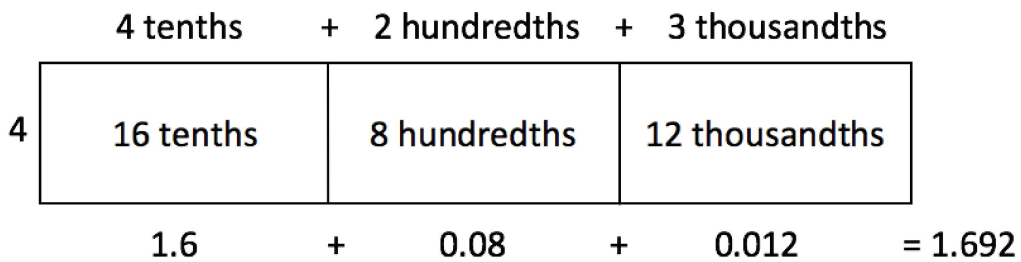
---

**Product:** The number resulting from the multiplication of two or more numbers. For example, in the multiplication problem  $4 \times 0.2 = 0.8$ , the number 0.8 is the product.

**MODELS**

---

**Area Model**



**Place Value Disks**

