

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).

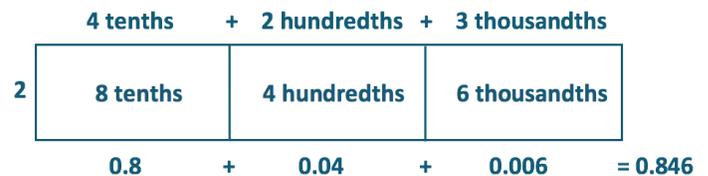
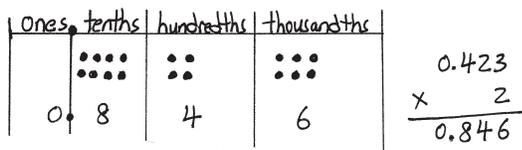
You can expect to see homework that asks your child to do the following:

- 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.

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

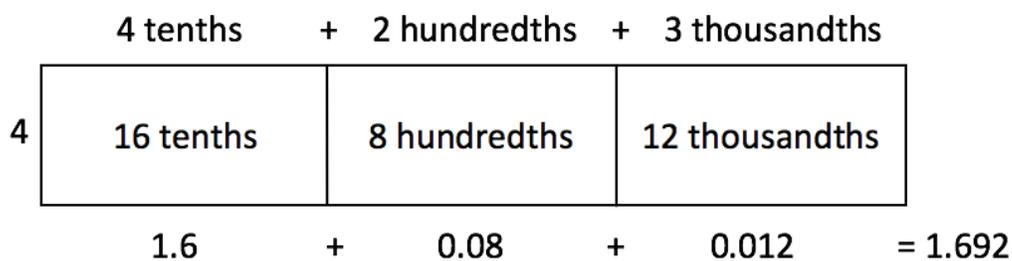


TERMS

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

