EUREKA MATH™ TIPS FOR PARENTS

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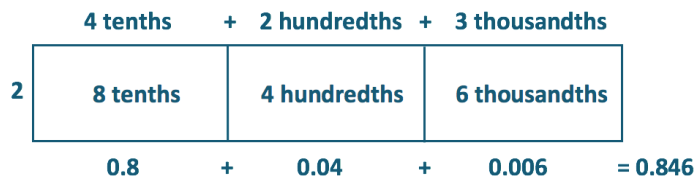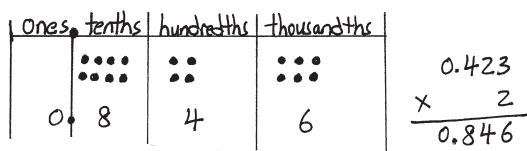
You can expect to see homework that asks your child to do the following:

- 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.

$2 \times 0.423 =$ **0.846**

Additional sample problems with detailed answer steps are found in the *Eureka Math Homework Helpers* books. Learn more at GreatMinds.org.
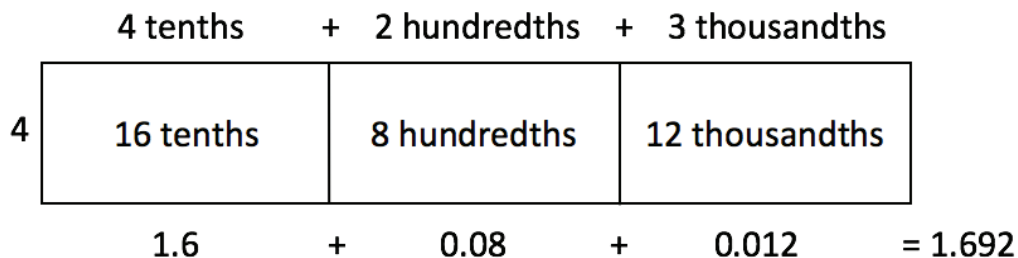
HOW YOU CAN HELP AT HOME

- 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

	4 tenths	+	2 hundredths	+	3 thousandths
4	16 tenths		8 hundredths		12 thousandths

$$1.6 \quad + \quad 0.08 \quad + \quad 0.012 \quad = 1.692$$

Place Value Disks

100 100	10 10 10 10	1 1 1

Ones	Tenths	Hundredths	Thousandths
●●●●	●●	●●●●● ●●	●●