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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 (FromLesson 11)

Solve by drawing disks on a place value chart and by using the area model.
$2 \times 0.423=\mathbf{0 . 8 4 6}$


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

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- 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 $\qquad$

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

| 46 tenths | 8 hundredths | 12 thousandths |
| :---: | :---: | :---: |
| $1.6+0.08+0.012$ | $=1.692$ |  |

## Place Value Disks



