

## KEY CONCEPT OVERVIEW

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In Lessons 15 through 18, students review math concepts that they have learned throughout the year. They also create a summer folder.

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

- Find the **area** of a shaded figure. (See Sample Problem.)
- Use a ruler and **protractor** to create a figure, shade part of the figure, and then find the area of the unshaded part.
- Plot and label points on a **number line**.
- Convert numbers written in decimal form to **mixed numbers**, tenths, and hundredths.

## SAMPLE PROBLEM (From Lesson 15)

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Find the area of the shaded figure.

**Area of large rectangle:**  $6 \text{ ft} \times 12 \text{ ft} = 72 \text{ square ft}$

**Length of bottom center unshaded rectangle:**  
 $12 \text{ ft} - 2 \text{ ft} - 2 \text{ ft} - 2 \text{ ft} = 6 \text{ ft}$

**Area of unshaded rectangles:**

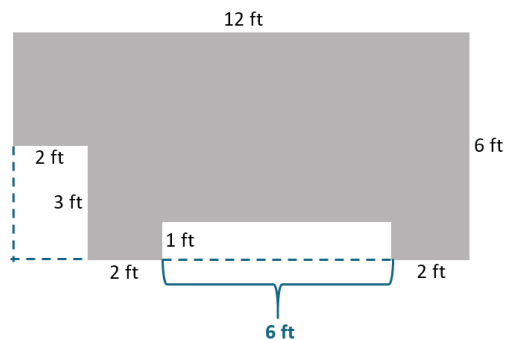
$$1 \text{ ft} \times 6 \text{ ft} = 6 \text{ square ft}$$

$$2 \text{ ft} \times 3 \text{ ft} = 6 \text{ square ft}$$

**Area of large rectangle – area of unshaded rectangles:**

$$72 \text{ square ft} - 6 \text{ square ft} - 6 \text{ square ft} = 60 \text{ square ft}$$

**The area of the shaded figure is 60 square feet.**



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

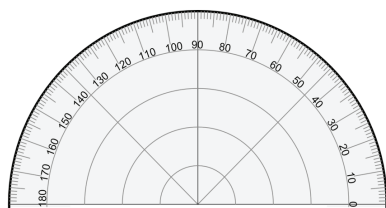
**HOW YOU CAN HELP AT HOME**

- Your child will soon bring home a summer folder. It will include the Homework pages from Lessons 15 through 17, fluency activity cards from Lesson 17, and vocabulary game ideas from Lesson 18. Each activity in the packet was carefully crafted to provide your child with opportunities to practice math throughout the summer. Set aside some math time each day and complete the activities together. Challenge your child to math contests. Celebrate what he knows and what he has learned this year. Congratulate him on his hard work and perseverance.
- Continue to practice basic facts for addition, subtraction, multiplication, and division. The goal is for your child to remain fluent with the basic facts.

**TERMS**

**Area:** The amount of space inside a two-dimensional shape. For example, in rectangles, Area = length  $\times$  width.

**Mixed number:** A number made up of a whole number and a fraction (e.g.,  $13\frac{42}{100}$ ).

**MODELS****180° Protractor****Number Line**