EUREKA MATH™ TIPS FOR PARENTS

KEY CONCEPT OVERVIEW

In Lessons 18 through 21, students apply multiplication and division strategies to solve multi-step word problems.

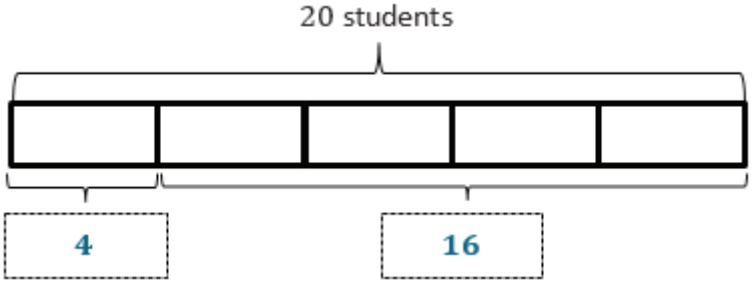
You can expect to see homework that asks your child to do the following:

- Draw arrays, number bonds, and tape diagrams with the known and unknown parts labeled.
- Break apart arrays and number bonds into smaller multiplication and division problems, using the **break apart and distribute strategy**.
- Solve multi-step word problems using addition, subtraction, multiplication, and/or division.

SAMPLE PROBLEM *(From Lesson 20)*

Twenty students are eating lunch at 5 tables. Each table has the same number of students.

a. How many students are sitting at each table?



$$20 \div 5 = 4$$

There are 4 students sitting at each table.

b. How many students are sitting at 4 tables?

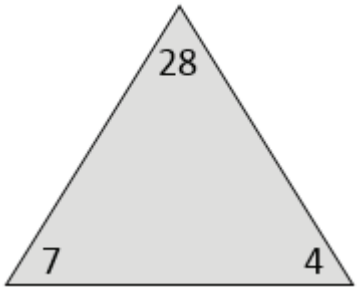
$$4 \times 4 = 16$$

There are 16 students sitting at 4 tables.

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

- Continue to practice multiplication and division facts from memory with factors of 2, 3, 4, 5 and 10. Have your child cut several triangles out of paper. Think of a multiplication or division fact. In each triangle, write two factors and their product (one number per corner). Cover one number with your thumb and ask your child to try to figure out what number is hidden. Ask your child to state two multiplication and two division sentences for the numbers on each triangle.



- Write multiplication and division facts that your child is struggling to remember on brightly colored sticky notes with one problem per sticky note. Hide the sticky notes in places where your child will encounter them: the bathroom mirror, inside a cupboard door, on the back of the driver's headrest in the car, etc. Make a scavenger hunt out of it where your child will get something fun for finding all the facts and correctly answering them all.

MODELS

Break Apart and Distribute Strategy: This strategy states that a multiplication expression can be broken into parts that can then be added together.