

KEY CONCEPT OVERVIEW

In Lessons 26 through 34, students solidify the year’s learning by creating and playing games and by exploring patterns such as the **Fibonacci sequence**. They also design and construct boxes to house materials for summer use.

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

- Write and interpret numerical **expressions**.
- Create and solve multi-step word problems.
- Name and classify **quadrilaterals** based on their properties.
- Teach someone at home to play a game that was taught in math class.
- Find various rectangular boxes at home and then calculate their **volumes**.
- Write reflections on the material learned throughout the year.

SAMPLE PROBLEM (From Lesson 26)

Write a numerical expression for the written phrase below, and then evaluate your expression.

Three-fifths the difference of seven-eighths and five-sixths

$$\begin{aligned} & \frac{3}{5} \times \left(\frac{7}{8} - \frac{5}{6} \right) \\ &= \frac{3}{5} \times \left(\frac{21}{24} - \frac{20}{24} \right) \\ &= \frac{3}{5} \times \frac{1}{24} \\ &= \frac{3}{120} \\ &= \frac{1}{40} \end{aligned}$$

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

- Your child will soon bring home summer math boxes containing games and activities collected from Lessons 26 through 30. Each game and activity was carefully designed to help your child practice math throughout the summer. Set aside some math time each day. Play the math games and complete the math activities with your child. Challenge your child to math contests. Celebrate what she knows and what she has learned this year. Congratulate her on her hard work and perseverance.
- Continue to practice multi-digit addition, subtraction, multiplication, and division with whole numbers, fractions, and decimals to help prepare your child for the next school year.

TERMS

Expression: A mathematical phrase involving a combination of sums, differences, products, or divisions of numbers. Expressions are not complete mathematical sentences like equations, so they do not have an equal sign. For example, $600 + 3 + 0.07$ is an expression.

Fibonacci sequence: An infinite sequence of whole numbers in which the first two terms are 1 and 1, and each term after is the sum of the two terms immediately before (i.e., 1, 1, 2, 3, 5, 8, 13, 21, ...).

Quadrilateral: A closed figure with four sides. For example, trapezoids, parallelograms, rectangles, rhombuses, kites, and squares are all quadrilaterals.

Volume of a solid: The amount of space inside a three-dimensional solid. For example, in rectangular prisms, $\text{Volume} = \text{length} \times \text{width} \times \text{height}$.