

## KEY CONCEPT OVERVIEW

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In Lessons 31 through 34, students practice skills and concepts they have learned this year. For example, they practice more with fractions and play games involving multiplication and division. Students also create a booklet of resources they can use to practice during the summer to prepare for Grade 4.

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

- Explore some unconventional ways to make one-half.
- Teach family members a game from class.

## SAMPLE PROBLEM (From Lesson 32)

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Julian shades four circles, as shown below. Write the letters of the circles that are about one-half shaded.



Circle A



Circle B



Circle C



Circle D

***A, C, and D.***

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 come home with a copy of two summer math calendars with sample activities that she can do daily to keep up with her math skills. (See table below.) Your child will complete a booklet in class explaining these activities and bring the booklet home for summer vacation. There is one calendar for the first five weeks and another for the second five weeks. Your child can color each activity as she completes it to keep track of how much she practices.

**Summer Math Review: Weeks 1–5**

	Monday	Tuesday	Wednesday	Thursday	Friday
Week 1	Do jumping jacks as you count by twos from 2 to 20 and back.	Play a game from your Summer Practice booklet.	Use your tangram pieces to make a picture of your summer break.	Time how long it takes you to do a specific chore, like making the bed. See if you can do it faster the next day.	Complete a Sprint.
Week 2	Do squats as you count by threes from 3 to 30 and back.	Play a game from your Summer Practice booklet.	Collect data about your family’s or friends’ favorite type of music. Show it on a bar graph. What did you discover from your graph?	Read a recipe. What fractions does the recipe use?	Complete a Multiply by Pattern Sheet.
Week 3	Hop on one foot as you count by fours from 4 to 40 and back.	Create a multiplication and/or division math game. Then, play the game with a partner.	Measure the widths of different leaves from the same tree to the nearest quarter inch. Then, draw a line plot of your data. Do you notice a pattern?	Read the weight in grams of different food items in your kitchen. Round the weights to the nearest 10 or 100 grams.	Complete a Sprint.
Week 4	Bounce a ball as you count by 5 minutes to 1 hour and then to the half hour and quarter hours.	Find, draw, and/or create different objects to show one-fourth.	Go on a shape scavenger hunt. Find as many quadrilaterals in your neighborhood or house as you can.	Find the sum and difference of 453 mL and 379 mL.	Complete a Multiply by Pattern Sheet.
Week 5	Do arm swings as you count by sixes from 6 to 60 and back.	Draw and label a floor plan of your house.	Measure the perimeter of the room where you sleep in inches. Then, calculate the area.	Use a stopwatch to measure how fast you can run 50 meters. Do it 3 times. What was your fastest time?	Complete a Sprint.