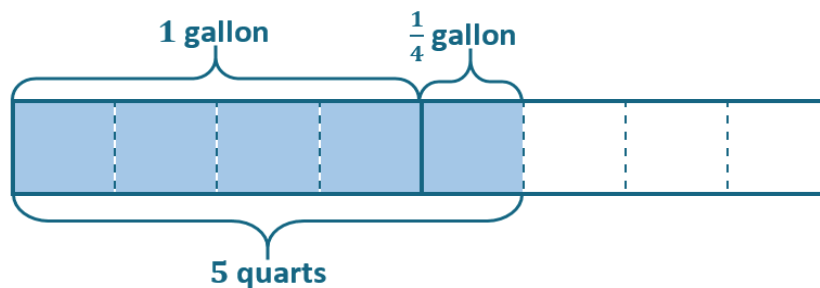# EUREKA MATH™ TIPS FOR PARENTS

KEY CONCEPT OVERVIEW

In Lessons 12 through 14, students continue to work with conversions. They convert larger mixed measurement units with fractional parts to smaller units.

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

- Draw a tape diagram to show equivalence from one unit of measure to a smaller unit of measure.

- Convert from a larger unit to a smaller unit.

- Use the RDW process to solve multi-step measurement word problems.

SAMPLE PROBLEM *(From Lesson 12)*

Draw a tape diagram to show that $1\frac{1}{4}$ gallons = 5 quarts.

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

- With your child, use index cards or small pieces of paper to make 8 pairs of cards that show equivalent measurements. For example, on one card, write $3\frac{1}{4}$ pounds; on another card, write 52 ounces. Use measures of length, weight, capacity, and time. Reference the **conversion table** in the Models section for examples of units. After you have made the cards, play a memory game with your child.

  1. Place the cards facedown in rows to form a grid.

  2. Player A flips over two cards, keeping the cards in their place. If the cards are a match, Player A keeps them and takes another turn. If the cards are not a match, Player A flips them back over, and Player B takes a turn.

  3. Play continues until all of the matches have been made. The person with the most matches wins.

- Take turns with your child naming measurements. With each turn, have the other person convert the given measurement to smaller units. For example, you say, "$1\frac{1}{2}$ hours," and your child says, "90 minutes."

MODELS

Conversion Table

Measurement Conversions	
1 kilometer	1,000 meters
1 meter	100 centimeters
1 yard	3 feet
1 foot	12 inches
1 pound	16 ounces
1 kilogram	1,000 grams
1 liter	1,000 milliliters
1 gallon	4 quarts
1 quart	2 pints
1 pint	2 cups
1 minute	60 seconds
1 hour	60 minutes
1 day	24 hours
1 week	7 days