

KEY CONCEPT OVERVIEW

During the next week, our math class will apply our understanding of fraction concepts to telling time on an **analog clock**. We will make paper clocks and then fold the clock face in half and then in quarters to mark the hour, half hour, and quarter hours. We will relate 30 minutes to a half hour and 15 minutes to a quarter hour, and we will practice telling time to the half hour and quarter hour. Then we will fill in the missing numbers on the clock face and use skip-counting to tell time to the nearest five minutes. Finally, we will learn the meanings of *a.m.* and *p.m.* and solve word problems involving time intervals.

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

- Tell what fraction of a clock is shaded by using the words *quarter*, *quarters*, *half*, or *halves*.
- Tell and write the time shown on a clock, and draw the hour and minute hands to show a given time.
- Decide whether an activity would happen in the a.m. or p.m.
- Tell how much time has passed, for example, from 2:00 p.m. to 8:00 p.m., and use the RDW process to solve word problems involving time intervals.

SAMPLE PROBLEM (From Lesson 13)

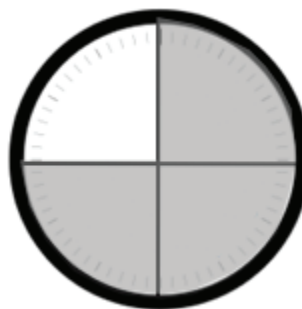
Tell what fraction of each clock face below is shaded by using the words *quarter*, *quarters*, *half*, or *halves*.



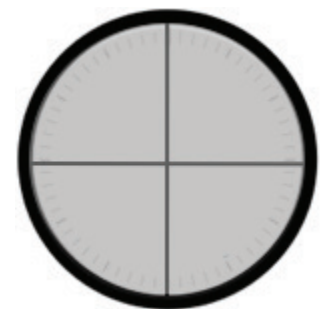
1 quarter



**2 quarters,
or 1 half**



3 quarters



**4 quarters,
or 2 halves**

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

- Help your child make connections between fractions and telling time. You might ask questions such as, “Why is 15 minutes called a quarter hour?” “How do you know that 3:45 and a quarter to four represent the same time?” “Why is it called the half hour when the minute hand points to the 6?”
- Encourage your child to be on the lookout for clocks in stores, in restaurants, or around the home. Ask him to tell the time to the nearest five minutes, to the quarter hour, or to the half hour.
- Encourage your child to relate various activities to a.m. and p.m. by asking questions such as, “When you sleep at night, are you sleeping during the a.m. or p.m.?” “What might you be doing at 2:00 p.m.?” “Would you eat breakfast in the a.m. or p.m.?”

MODELS

Analog Clock: A clock or watch that displays time by the positions of the hour and minute hands.

