

Name \_\_\_\_\_

## Problem Solving • Elapsed Time

## PROBLEM SOLVING Lesson 12.9

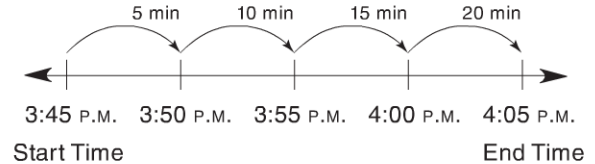
COMMON CORE STANDARD CC.4.MD.2

Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.

Read each problem and solve.

1. Molly started her piano lesson at 3:45 P.M. The lesson lasted 20 minutes. What time did the piano lesson end?

**Think:** What do I need to find?  
How can I draw a diagram to help?



**4:05 P.M.**

2. Brendan spent 24 minutes playing a computer game. He stopped playing at 3:55 P.M. and went outside to ride his bike. What time did he start playing the computer game?

3. Aimee's karate class lasts 1 hour and 15 minutes and is over at 5:00 P.M. What time does Aimee's karate class start?

4. Mr. Giarmo left for work at 7:15 A.M. Twenty-five minutes later, he arrived at his work. What time did Mr. Giarmo arrive at his work?

5. Ms. Brown's flight left at 9:20 A.M. Her plane landed 1 hour and 23 minutes later. What time did her plane land?

### Lesson Check (CC.4.MD.2)

- Bobbie went snowboarding with friends at 10:10 A.M. They snowboarded for 1 hour and 43 minutes, and then stopped to eat lunch. What time did they stop for lunch?
  - 8:27 A.M.
  - 10:53 A.M.
  - 11:53 A.M.
  - 12:53 A.M.
- The Cain family drove for 1 hour and 15 minutes and arrived at their camping spot at 3:44 P.M. What time did the Cain family start driving?
  - 4:59 P.M.
  - 2:44 P.M.
  - 2:39 P.M.
  - 2:29 P.M.

### Spiral Review (CC.4.NF.4b, CC.4.NF.5, CC.4.MD.1, CC.4.MD.2)

- A praying mantis can grow up to 15 centimeters long. How long is this in millimeters? (Lesson 12.6)
  - 15 millimeters
  - 150 millimeters
  - 1,500 millimeters
  - 15,000 millimeters
- Thom's minestrone soup recipe makes 3 liters of soup. How many milliliters of soup is this? (Lesson 12.7)
  - 30 milliliters
  - 300 milliliters
  - 3,000 milliliters
  - 30,000 milliliters
- Stewart walks  $\frac{2}{3}$  mile each day. Which is a multiple of  $\frac{2}{3}$ ? (Lesson 8.2)
  - $\frac{4}{3}$
  - $\frac{4}{6}$
  - $\frac{8}{10}$
  - $\frac{2}{12}$
- Angelica colored in 0.60 of the squares on her grid. Which of the following expresses 0.60 as tenths in fraction form? (Lesson 9.3)
  - $\frac{60}{100}$
  - $\frac{60}{10}$
  - $\frac{6}{100}$
  - $\frac{6}{10}$