11. A. $\frac{45}{100} = \frac{9}{20}$

B. Possible response: I used the *Fraction on Number Lines Chart* and found the simplest form of $\frac{6}{8}$ is $\frac{3}{4}$. I know that 75 is $\frac{3}{4}$ of 100 because I know that 100 can be divided into 4 groups of 25 and $3 \times 25 = 75$.

C. Answers will vary but must include $\frac{4}{5}$: possible responses include: $\frac{8}{10} = \frac{4}{5} = \frac{12}{15} = \frac{16}{20}$

D. $\frac{19}{20}$; Possible response: I wrote the fraction $\frac{95}{100}$. Both the numerator and denominator can be divided by 5. $\frac{95}{100} \div \frac{5}{5} = \frac{19}{20}$

Name _____ Date _____

11. Use the completed table in Question 10 to solve the following problems.

■**A.** Write a fraction in simplest form to show what part of the goal Linda met.

■**B.** Show or tell how you found your solution for Keenya.

■**C.** Write 3 fractions that are equal to $\frac{8}{10}$. Make sure one of the fractions is in simplest form.

■**D.** Write a fraction in simplest form to show what part of the goal Ana met. Explain how you found your answer.

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Teacher Guide

Crossing the Gym (TG)
Questions A–C

A. $\dfrac{6 \text{ steps}}{2 \text{ hops}}$, $\dfrac{36 \text{ steps}}{12 \text{ hops}}$, $\dfrac{180 \text{ steps}}{60 \text{ hops}}$

B. 3 steps before they can take 1 hop.

C. No it is not equivalent. $\frac{30}{10}$ is equivalent to $\frac{18}{6}$ but not $\frac{30}{20}$.

Crossing the Gym

As part of fitness day, Mr. Smith, the gym teacher decided to plan a special activity for Mr. Moreno's fifth-grade class. He showed students a card with the following ratio:

$$\frac{18 \text{ steps}}{6 \text{ hops}}$$

He told students to find an equivalent ratio and use it to move from one side of the gym to the other.

A. Name three equivalent ratios to show how students can move across the gym.

B. What is the fewest number of steps students can take before they have to hop?

C. Maya decided to use this ratio to plan her moves: $\frac{30 \text{ steps}}{20 \text{ hops}}$. Is her ratio equal to Mr. Smith's ratio?

TG · Grade 5 · Unit 5 · Lesson 6   **Master**

Teacher Guide