



Review

Do You Know How?



Understanding Equivalent Fractions (7-7), Equivalent Fractions (7-8)

Write two fractions that name each point on the number line. **Sample answers are given.**



1. Point D $\frac{2}{6}, \frac{1}{3}$ 2. Point E $\frac{3}{6}, \frac{1}{2}$

Find the missing number to make the fractions equivalent.

3. $\frac{\square}{9} = \frac{3}{27}$ 1 4. $\frac{7}{8} = \frac{49}{\square}$ 56
 5. $\frac{\square}{5} = \frac{9}{15}$ 3 6. $\frac{5}{12} = \frac{\square}{36}$ 15

Do You Understand?



- A** Tell how you found each equivalent fraction in Exercise 3 and 4. **See below.**
B Explain how you decided whether to multiply or divide. **See Part A.**

A. Look at the fraction for which both numbers are known. Determine what number you must multiply or divide by to find the corresponding known number in the other fraction. Do the same to find the missing number.

D. Sample answer: Since 2 and 11 are prime, their GCF is 1, so the fraction is in simplest form.

Greatest Common Factor (7-9), Fractions in Simplest Form (7-10)

7. Find the GCF of 14 and 42. **14**

Write each fraction in simplest form.

8. $\frac{12}{36}$ $\frac{1}{3}$ 9. $\frac{6}{16}$ $\frac{3}{8}$
 10. $\frac{25}{70}$ $\frac{5}{14}$ 11. $\frac{8}{10}$ $\frac{4}{5}$
 12. $\frac{25}{50}$ $\frac{1}{2}$ 13. $\frac{15}{45}$ $\frac{1}{3}$

- C** Tell how you could find the GCF of 6 and 16 and use it to put $\frac{6}{16}$ in simplest form. **See margin.**
D Explain how you can tell that $\frac{2}{11}$ is in simplest form. **See above.**

Understanding Comparing Fractions (7-11), Comparing and Ordering Fractions and Mixed Numbers (7-12)

E. Since the numerators are the same, the fraction with the smaller denominator is the greater fraction.

Compare. Write $>$, $<$, or $=$ for each \bullet .

14. $\frac{8}{13} \bullet \frac{3}{13}$ 15. $\frac{3}{8} \bullet \frac{4}{5}$
 $>$ $<$
 16. $\frac{9}{17} \bullet \frac{9}{23}$ 17. $\frac{2}{3} \bullet \frac{5}{6}$
 $>$ $<$
 18. $2\frac{7}{9} \bullet 2\frac{3}{4}$ 19. $3\frac{2}{7} \bullet 3\frac{3}{10}$
 $>$ $<$
 20. $3\frac{1}{4} \bullet 3\frac{1}{8}$ 21. $5\frac{4}{10} \bullet 5\frac{2}{5}$
 $>$ $=$

- E** Tell how you compared the fractions in Exercise 16. **See above.**
F Explain how the fraction $\frac{1}{2}$ can help you compare two fractions. **If you know that one fraction is less than $\frac{1}{2}$ and the other is greater than $\frac{1}{2}$, you can tell which of the two fractions is larger.**