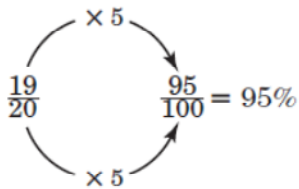


4-6**Study Guide and Intervention****Fractions and Percents**

A **ratio** is a comparison of two numbers by division. When a ratio compares a number to 100, it can be written as a **percent**. To write a ratio or fraction as a percent, find an equivalent fraction with a denominator of 100. You can also use the meaning of percent to change percents to fractions.

Example 1 Write $\frac{19}{20}$ as a percent.



Since $100 \div 20 = 5$, multiply the numerator and denominator by 5.

Example 2 Write 92% as a fraction in simplest form.

$$\begin{aligned} 92\% &= \frac{92}{100} && \text{Definition of percent} \\ &= \frac{23}{25} && \text{Simplify.} \end{aligned}$$

Exercises

Write each ratio as a percent.

1. $\frac{14}{100}$ **14%**

2. $\frac{27}{100}$ **27%**

3. 34.5 per 100 **34.5%**

4. 18 per 100 **18%**

5. 21:100 **21%**

6. 96:100 **96%**

Write each fraction as a percent.

7. $\frac{3}{100}$ **3%**

8. $\frac{14}{100}$ **14%**

9. $\frac{2}{5}$ **40%**

10. $\frac{1}{20}$ **5%**

11. $\frac{13}{25}$ **52%**

12. $\frac{4}{10}$ **40%**

Write each percent as a fraction in simplest form.

13. 35% $\frac{7}{20}$

14. 18% $\frac{9}{50}$

15. 75% $\frac{3}{4}$

16. 80% $\frac{4}{5}$

17. 16% $\frac{4}{25}$

18. 15% $\frac{3}{20}$