

LESSON
5-2

Fractions, Decimals, and Percents

NOTES

To change a decimal to a percent:

- move the decimal point two places to the right;
 - write the % symbol after the number.
- $0.07 = .07 = 7\%$

Write each decimal as a percent.

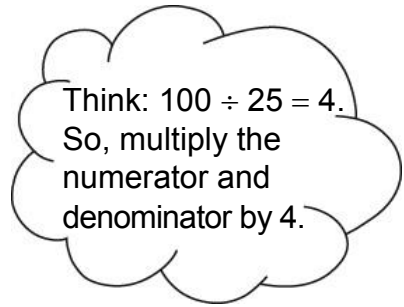
- | | | | |
|----------|---------|----------|----------|
| 1. 0.34 | 2. 0.06 | 3. 0.8 | 4. 0.57 |
| _____ | _____ | _____ | _____ |
| 5. 0.604 | 6. 0.09 | 7. 0.518 | 8. 0.039 |
| _____ | _____ | _____ | _____ |

To change a fraction to a percent:

Method 1:

- Find an equivalent fraction with a denominator of 100.
- Use the numerator of the equivalent fraction as the percent.

$$\begin{aligned} \frac{8}{25} &= \frac{x}{100} \\ 8 \cdot 4 &= \frac{32}{25 \cdot 4} = \frac{32}{100} \\ \frac{8}{25} &= \frac{32}{100} = 32\% \end{aligned}$$



Method 2:

- Use division to write the fraction as a decimal.
- Write the decimal as a percent.

$$\begin{aligned} \frac{4}{5} &= 4 \div 5 \\ &= 0.8 \\ &= 0.80 \\ &= 80\% \end{aligned}$$

Write each fraction as a percent.

- | | | | |
|-------------------|--------------------|--------------------|---------------------|
| 9. $\frac{3}{10}$ | 10. $\frac{2}{50}$ | 11. $\frac{7}{20}$ | 12. $\frac{1}{5}$ |
| _____ | _____ | _____ | _____ |
| 13. $\frac{1}{8}$ | 14. $\frac{3}{25}$ | 15. $\frac{3}{4}$ | 16. $\frac{23}{40}$ |
| _____ | _____ | _____ | _____ |