



Name _____ Date _____

Fractions, Decimals, and Percents

(Pages 114–117)

The word *percent* also means *hundredths* or *per hundred* or *divided by 100*.

Decimals and Percents	<ul style="list-style-type: none"> To write a decimal as a percent, multiply by 100 and add the % symbol. To write a percent as a decimal, divide by 100 and remove the % symbol.
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EXAMPLES

A Express 47% as a decimal.

47% means $\frac{47}{100}$ or 0.47.

B Express $\frac{3}{16}$ as a percent.

$$\frac{3}{16} = \frac{n}{100} \quad \text{Write a proportion.}$$

$$300 = 16n \quad \text{Find the cross products.}$$

$$\frac{300}{16} = \frac{16n}{16} \quad \text{Divide each side by 16.}$$

$$18.75 = n$$

$$\frac{3}{16} = \frac{18.75}{100} \quad \text{or } 18.75\%$$

Try These Together

1. Express 27% as a decimal.

HINT: Divide by 100.

2. Express 6% as a decimal.

HINT: Divide by 100.

PRACTICE

Express each percent as a decimal.

3. 63%

4. 40%

5. 79%

6. 16%

Express each decimal as a percent.

7. 0.12

8. 0.84

9. 0.65

10. 0.04

Express each fraction as a percent.

11. $\frac{1}{5}$

12. $\frac{7}{10}$

13. $\frac{29}{50}$

14. $\frac{21}{100}$

Replace each ● with <, >, or = to make a true sentence.

15. 58% ● 0.58

16. 8.9 ● 89%

17. 0.04 ● 40%

18. 14% ● 1.4

19. **Population** In 1997, about 3 out of 25 people in the world lived in Africa. Express this ratio as a percent.



20. **Standardized Test Practice** Jaryn and Blake decorated for a school party. They used the colors yellow and blue. Three out of 5 balloons were blue. What percent is this?

A 30%

B 15%

C 60%

D 45%

Answers: 1. 0.27 2. 0.06 3. 0.63 4. 0.4 5. 0.79 6. 0.16 7. 12% 8. 84% 9. 65% 10. 4% 11. 20% 12. 70% 13. 58% 14. 21% 15. = 16. > 17. < 18. < 19. 12% 20. C