

LESSON
8-8 Practice A
Percents, Decimals, and Fractions

Write each decimal as a percent.

1. 0.1

2. 0.6

3. 0.02

4. 0.14

5. 0.22

6. 0.03

7. 0.25

8. 0.17

9. 0.39

10. 0.8

11. 0.04

12. 0.99

Write each fraction as a percent.

13. $\frac{1}{2}$

14. $\frac{1}{4}$

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

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

17. $\frac{97}{100}$

18. $\frac{33}{100}$

19. Brett scored $\frac{1}{4}$ of all the baskets he shot during the basketball game. What percent did he make?

20. Sarah has 3 dimes and 1 nickel. Jamie has 2 quarters. What percent of a dollar do they each have?

21. Mike, Joey, and Kini are playing a shooting game at the fair. Mike made $\frac{3}{5}$ of his shots, Joey made $\frac{4}{5}$, and Kini made $\frac{2}{5}$. Write the percent each boy made.

Problem Solving **8-7 Percents**

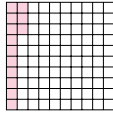
Use the circle graph to answer each question in simplest form.

1. What fraction of the total 2000 music sales in the United States were rock recordings?

$\frac{1}{4}$

2. On this grid, model the percent of total United States music sales that were rap recordings. Then write that percent as a decimal.

0.13



3. What kind of music made up $\frac{1}{20}$ of the total U.S. music recording sales?

religious

Circle the letter of the correct answer.

5. What fraction of all United States recording sales did jazz and classical music make up together?

A $\frac{6}{10}$

C $\frac{1}{5}$

B $\frac{3}{50}$

D $\frac{11}{100}$

4. What fraction of the United States music sales were country recordings?

$\frac{11}{100}$

6. What kind of music made up $\frac{1}{10}$ of the total music recording sales in the United States in 2000?

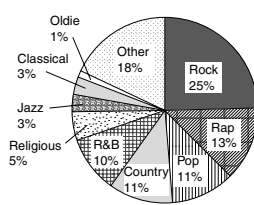
F Pop

H R&B

G Jazz

J Oldies

U.S. Recorded Music Sales, 2000



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69

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Puzzles, Twisters & Teasers **8-7 Perfect 100!**

Decide whether each statement is true or false. Circle your answer.

Unscramble your circled letters to spell an important word to know.

1. $45\% < \frac{1}{2}$

N true

B false

2. $6.4 = 64\%$

A true

R false

3. A 7% tax rate means you will pay \$7 tax on a \$10 purchase.

W true

T false

4. $\frac{1}{5} = 20\%$

P true

H false

5. Thirty-seven percent is greater than one-third.

E true

I false

6. Three-quarters is more than 80%.

K true

C false

7. $22\% = \frac{2}{11}$

M true

E false

Answer: **PERCENT**



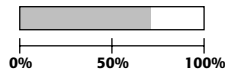
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70

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Exploration Recording Sheet **8-8 Percents, Decimals, and Fractions**

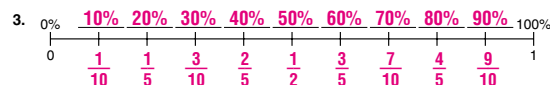
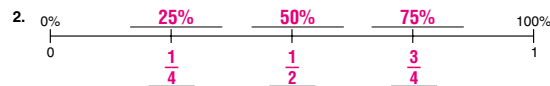
To report what percent of their fund-raising goal has been reached, a charity uses the number-line model below.



1. Has the charity reached about 50%, about 75%, or about 100% of its goal?

about 75%

Complete each number-line model by writing percents above the line and the corresponding fractions below the line.



Think and Discuss

4. Explain how you matched percents with fractions in Exercises 2 and 3.

Possible answer: Write the percent as a fraction in simplest form.

5. Explain how you could label the number lines with decimals.

Possible answer: Determine the percent and convert the percent to a decimal.

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72

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Practice A **8-8 Percents, Decimals, and Fractions**

Write each decimal as a percent.

1. 0.1

10%

2. 0.6

60%

3. 0.02

2%

4. 0.14

14%

5. 0.22

22%

6. 0.03

3%

7. 0.25

25%

8. 0.17

17%

9. 0.39

39%

10. 0.8

80%

11. 0.04

4%

12. 0.99

99%

Write each fraction as a percent.

13. $\frac{1}{2}$

50%

14. $\frac{1}{4}$

25%

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

75%

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

70%

17. $\frac{97}{100}$

97%

18. $\frac{33}{100}$

33%

19. Brett scored $\frac{1}{4}$ of all the baskets he shot during the basketball game. What percent did he make?

25%

20. Sarah has 3 dimes and 1 nickel. Jamie has 2 quarters. What percent of a dollar do they each have?

Sarah has 35% of a dollar, and Jamie has 50% of a dollar.

21. Mike, Joey, and Kini are playing a shooting game at the fair. Mike made $\frac{3}{5}$ of his shots, Joey made $\frac{4}{5}$, and Kini made $\frac{2}{5}$. Write the percent each boy made.

Mike 60%, Joey 80%, Kini 40%

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73

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