

Name \_\_\_\_\_

## Relating Percents, Decimals, and Fractions

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### Example

Express 40 out of 100 as a fraction in simplest form, as a percent, and as a decimal.

**As a fraction**  $\frac{40}{100} = \frac{40 \div 20}{100 \div 20} = \frac{2}{5}$  in simplest form.

**As a percent** 40%, since percent means "per hundred."

**As a decimal** 0.40 or 0.4

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Write each expression in two other ways.

1. 19%

2.  $\frac{23}{100}$

3. 0.7

4. 11%

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

5. 2%

6.  $\frac{3}{5}$

7. 0.13

8. 25%

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Write each percent as a decimal and as a fraction in simplest form.

9. 60%

10. 5%

11. 16%

12. 45%

\_\_\_\_\_

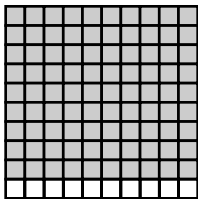
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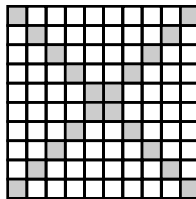
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Express each shaded part as a decimal, as a percent, and as a fraction in simplest form.

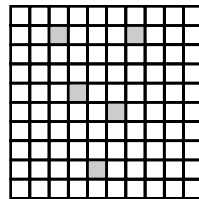
13.



14.



15.



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\_\_\_\_\_

\_\_\_\_\_

Name \_\_\_\_\_

### Relating Percents, Decimals, and Fractions (continued)

Write each expression in two other ways.

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

17. 0.8

18. 10%

19.  $\frac{9}{100}$

\_\_\_\_\_

Write each percent as a decimal and as a fraction in simplest form.

20. 4%

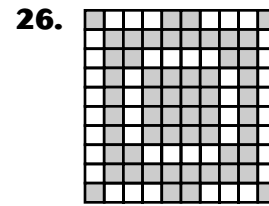
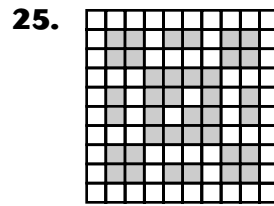
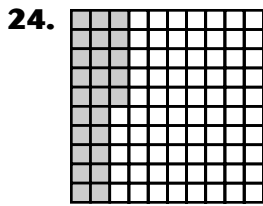
21. 300%

22. 54%

23. 67%

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Express each shaded part as a decimal, as a percent, and as a fraction in simplest form.



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27. In Mrs. Hughes's class  $\frac{3}{5}$  of the students voted to have pizza at their end of the year party. What percentage of students voted for pizza? \_\_\_\_\_

**Test Prep** Choose the correct letter for each answer.

28. Which of the following shows 45% as a fraction in simplest form?

A  $\frac{45}{10}$

B  $\frac{9}{20}$

C  $\frac{9}{25}$

D  $\frac{8}{20}$

E NH

29. In a recent survey,  $\frac{9}{10}$  of the people surveyed said that they button their shirts from the top down. What percent of people surveyed button their shirts this way?

F 45%

G 18%

H 9%

J 90%

K NH