Reteaching

Set A, pages 396-397

Write the ratio of squares to circles in three ways.



The ratio can be written as 4 to 5, 4:5, or $\frac{4}{5}$.

Write two ratios equal to 4:12.

Multiply or divide both terms by the same number.

$$\frac{4 \times 2}{12 \times 2} = \frac{8}{24} \qquad \frac{4 \div 2}{12 \div 2} = \frac{2}{6}$$

4:12 = 8:24 = 2:6

Set B, pages 398-399

Write the ratio that compares the shaded squares to all the squares.



The ratio can be written as 33 to 100, 33:100, or 33/100

Write that ratio as a percent.

Remember that the order of the terms is important.

Use the shapes at the left. Write each

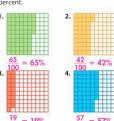
- 1. triangles to circles 3 to 5
- 2. all shapes to triangles 12 to 3
- 3. circles to all shapes 5 to 12

Write two other ratios equal to each ratio. Sample answers are given.

4.
$$\frac{9}{12}$$
 $\frac{3}{4}$ $\frac{18}{24}$ 5. 6 to 7 12 to 14; 18 to 21 6. 14:28 7. 27:9 9:3; 3:1 8. 15 to 12 75 to 4; 30 to 24 76 8; 80 10. 5 to 3 10. 5 to 5; 15 to 9 12. $\frac{21}{49}$ 11. 18:24 13. $\frac{10}{21}$ 27. 29. $\frac{3}{27}$ 29. $\frac{3}{27}$ 37. 20 $\frac{3}{27}$ 38. 20 $\frac{3}{27}$ 38. 20 $\frac{3}{27}$ 38. 20 $\frac{3}{27}$ 39. 20 $\frac{3}{27}$ 39. 20 $\frac{3}{27}$ 30 $\frac{3}{27}$

Remember that a percent is a ratio in which a number is compared to 100.

Write the ratio that compares the shaded squares to all the squares for each grid. Write each ratio as a percent



Set C, pages 400-401

Write 24% as a decimal and as a fraction in simplest form.

24% means 24 out of 100.

To write a decimal: Write the ratio as a decimal in hundredths.

24% = 0.24

To write a fraction: Write as a ratio with 100 as the second term and find the simplest form.

$$\frac{24}{100} = \frac{24 \div 4}{100 \div 4} = \frac{6}{25}$$

Set D, pages 402–403

Find 40% of 80.

Change 40% to 40% = 0.40 or 0.4

40% of 80 is 32.

Set E, pages 404-405

A hockey player attempted 15 shots on goal and made 9 goals. What percent of the shots did she make?

Write the ratio in a table. Find equal ratios to get the second term to be 100. Write the percent.

	ratio	÷3	×4	×5
Goals made	9	3	12	60
Shots	15	5	20	100

Remember that $\frac{60}{100} = 60\%$.

The hockey player made goals on 60% of her shots.

Remember to write zeros when more decimal places are needed.

Reteaching

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

	50%		40%
	0.50;	ļ	$0.40; \frac{2}{5}$
3.	25%	4.	
	0.25;	ļ	$\frac{0.05}{70\%}$; $\frac{1}{20}$
i.	36%		70% 20
	0.36;	9	$0.70; \frac{7}{10}$
۲.	94%	²⁵ 8.	100% 10

 $0.94; \frac{47}{50}$

1.00; 1

Remember that in order to find the percent of a number, multiply the number by the decimal form of the percent.

Find the percent of each number.

1. 75% of 56	2. 10% of 32
42 3. 50% of 36	3.2 4. 90% of 60 54

Remember that to find a ratio equal to another ratio, both terms of the ratio must be multiplied or divided by

Make a table to find each percent.

See margin for sample tables.

1. A baseball player was up to bat

- 40 times and got 14 hits. What percent of the times at bat did he get a hit?
- 35%
 2. The weather report stated that rain fell on 9 of the 30 days last month. On what percent of the days last month did it rain?



Set E

001	_				
1.	Hits	14	7	35	
	Times at bat	40	20	100	

2.	Rainy days	9	3	30
	Total days	30	10	100