

Purpose

To change ratios and fractions to percents

Math Words

ratio Percent is a ratio that compares a number to 100.

compared to You can write the ratio 3 compared to 100 several ways, such as:

 $3:100 \quad \frac{3}{100} \quad 0.03 \quad 3\%$

per hundred 32% means 32 for every hundred, or 32 per hundred.

Starter Problem.....

24 out of 60 kids surveyed have attended a professional sporting event. Write the percent for this ratio.

$$\frac{24}{60} =$$
______%

..Starter Problem-----

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Student Thinking



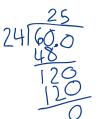
I could divide 60 into 24 to get a decimal, but it's easier to simplify first. $\frac{24}{60}$ is equal to $\frac{2}{5}$. Then I divided 2 by 5 to get 0.40 or 40%. It makes sense because 24 out of 60 is a little less than half of the kids.



Abby



I divided 24 into 60 and got 25%.



$$\frac{24}{60} = 25\%$$



Things to Remember

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Our Turn

Write the percent for each ratio.

1.
$$\frac{6}{40} =$$
______%

2.
$$\frac{8}{5} =$$
_____%

3. Carlos paid a \$2 shipping charge for a package of art supplies that cost \$10. What percent of the total costs did he pay for shipping? (Round your answer to the nearest tenth of a percent.)

My Turn

Write the percent for each ratio.

1.
$$\frac{3}{8} =$$
_____%

2.
$$\frac{80}{40} =$$
_____%

3. A school paper reported that 10 out of every 15 students wore a school T-shirt on Friday. What percent is this? (Round your answer to the nearest tenth of a percent.)

Multiple Choice Mini Lesson

Fill in the circle next to the answer you choose.

1.
$$\frac{17}{20} =$$

- O 3%
- O 8.5% O 11.8% O 85%

2.
$$\frac{5}{6} \approx$$

- 0.83% 1.2% 83.3% 56%



Changing Ratios to Percents

Multiple Choice Mini Lesson

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Writing	Task	Mini	Lesson
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Explain how you know $\frac{21}{24}$ equals 87.5%.

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NAME:

Writing Task Mini Lesson

Explain how you know $\frac{21}{24}$ equals 87.5%.
