7.4 MC3.notebook

February 18, 2016

There are 250 students that attended the basketball game. Of those students, 32% 100 are in the seventh grade. How many students were not in the seventh grade? $\frac{X}{250} = \frac{32}{100} \times 800 \text{ The grades}$ $\frac{X}{260} = \frac{32}{100} \times 800 \text{ The grades}$

7.4 Fractions, Decimals, and Percents

7.RP 7.NS

- SWBAT rewrite fractions, decimals, and percents.
- SWBAT understand numbers and their relationships.

Calculators: No

To write a percent as a decimal, divide the percent by 100. (same as moving the decimal two places to the left) Divide by 100

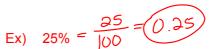
Percent Decimal

$$4^{\circ}/_{0} = 0.04$$

Percent Decimal

Divide by 100

Move decimal two places



To write a decimal as a percent, multiply the decimal by 100. (same as moving the decimal two places to the right)

Multiply by 100

Move the decimal two places



You try.

Write the percent as a decimal.

- 1. 150%
- 1.50
- 2. 39.8%
- .398

Write the decimal as a percent.

- 1. 2.7
- 270%
- 2. 0.007
- フ.7%

To write a percent as a fraction:

- remove percent sign
- put number over 100
- · reduce if possible

ex)
$$17\% = \frac{17}{100}$$

ex)
$$120\% = \frac{120}{100}$$

$$=\left(\frac{6}{5}\right)=\left(\frac{1}{5}\right)$$

You try.
Write the percent as a fraction.

- 1. 0.32%
- $\frac{0.039}{10000} = \frac{32}{2500} = \frac{8}{2500}$
- 2. 2.5%

$$\frac{2.5}{100} = \frac{35}{1,000} = \frac{5}{200} = \frac{100}{40}$$

 $\frac{31}{37} = 0.8378378 = 83.78\%$ = 84%

$$\frac{31}{37} = \frac{\times}{100} \times = 63.78\%$$

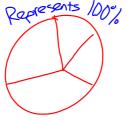
You try.

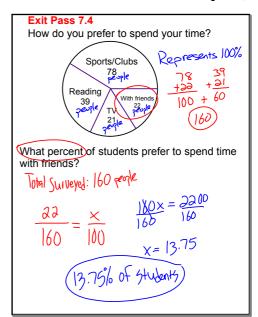
Write the fraction as a percent.

- 1. 1/20
- 2. 3/8

A circle graph represents data as parts of a circle, with each part labeled with its fractions or equivalent percent.

Pie Chart Pie Graph





Exit Pass 7.4

How do you write a percent as a fraction?

"Don't blame the sea if you cannot catch a fish."

Working individually or with a partner, complete the workbook.

Workbook pg.



Reflection of Today's Lesson

7.4 Fractions, Decimals, and Percents

7.RP 7.NS

- SWBAT rewrite fractions, decimals, and percents.
- SWBAT understand numbers and their relationships.

Calculators: No

Homework



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