Warm-up



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Today

- We are going to talk about/practice converting

Just like we did all week

Try this:

1.50%

2.0.25

3.1/2

Write each as:

a) Fraction

b) Decimal

c) Percent

d) Ratio

1. 50%.

a) $\frac{50}{100}$ b) 0.50

c) 50%.

part to whole

d) 50 : 100

50 : 50

part to part

→2. 0.25

a) $\frac{25}{100}$ c) 25%. d) 25 : 100

25 : 15

3. $\frac{1}{2} \overset{\times 50}{=} \frac{50}{100}$

b) 0.50 c) 50%.

part to whole

d) 50 : 100

50 : 50

REMEMBER:

- When converting a decimal to fraction:
  > Put number over 100
- When converting a fraction to decimal
  > long division OR multiply to give a denominator of 100
- When converting a fraction to percent
  > Make it a decimal, then a percent
- When converting a decimal to percent
  > Move the decimal two places to the right
- When converting a percent to decimal
  > Move the decimal to places to the left

Ratios can be written as fractions, decimals and percents.

- We just have to remember to consider what is being compared.

A Grade 6 class has **20 students who completed their homework and 5 who did not**.

What fraction, decimal, and percent of students completed their homework?

$$\frac{20}{25} \overset{\times 4}{\underset{\times 4}{}} \div \frac{80}{100} = 0.80$$

80%

There are **8 red apples and 24 green apples** in a basket.

What ratio, fraction, decimal, and percent of the apples are red?

$\frac{8}{32}$

25%

$32\overline{)8.00}$ = 0.25

-64

160

-160

0

8 : 32

There are **10 cats and 15 dogs** at an animal shelter.

Find the ratio of cats to dogs. Then write the ratio as a fraction, decimal, and percent.

10 : 15

$\frac{10}{15}$

$0.\overline{6}0$

$15\overline{)10.0}$

$-\ 90$

10

60 %.

0.06

A collection contains **6 hockey cards and 18 baseball cards**.

Find the ratio of hockey cards to baseball cards. Then convert it to a fraction, decimal, and percent.

$6:18$

$\frac{6}{18}$

$18\overline{)6.0}$

$0.\overline{3}$

-54

60

-54

6

$0.\overline{3} = 0.3333\ldots = 30\%$

Homework