

All About Fractions

Learning About Decimals, Fractions, and Percents

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Fractions, Decimals and Percents!

- When the numerator (top number) is less than the denominator (bottom number), the fraction is proper. When you divide the numerator by the denominator, you get a decimal.

Example: $3/5=0.6$

- When the numerator (top number) is greater than the denominator (bottom number), the fraction is improper. When you divide the numerator by the denominator, you get a number greater than one.

Example: $6/5=1.20$

Quiz Link



Fractions, Decimals, and Percents!

- To get a decimal from a fraction, you can try to make the fraction into tenths or hundredths. Then multiply the numerator and denominator by the same number to get a decimal.

Example:

$$1/2 = 5/10$$

$$5/10 = 0.5$$

$$8/20 = 40/100$$

$$40/100 = 0.40$$

Quiz Link



Fractions, Decimals, and Percents!

- When you have a decimal, you can multiply the decimal by 100 to give you a percent.

Examples:

$$0.2 = 20\%$$


$$0.02 = 2\%$$

$$4.5 = 450\%$$

Quiz Link



Fractions, Decimals and Percents

- Fractions 
- Decimals
- Percents



Fractions

- Is $\frac{4}{5}$ a proper or improper fraction? Explain using math vocabulary



- Is $\frac{5}{4}$ a proper or improper fraction? Explain using math vocabulary.




Fraction Answers

- $4/5$ is a proper fraction because the numerator is less than the denominator. You have a fraction less than one. You can divide 4 divided by 5 to get 0.80.
- $5/4$ is an improper fraction because the numerator is greater than the denominator. You have a fraction greater than one. You can divide 5 divided by 4 and get 1.25.



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Decimals

- What is the decimal for the fraction $\frac{4}{5}$?
- What is the decimal for $\frac{4}{25}$?




Decimal Answers

- The decimal for $\frac{4}{5}$ is 0.8 (eight tenths)
- Multiply the numerator and denominator of $\frac{4}{5}$ by 2 and get $\frac{8}{10}$
- The decimal for $\frac{4}{25}$ is 0.16 (sixteen hundredths)
- Multiply the numerator and denominator of $\frac{4}{25}$ by 4 and get $\frac{16}{100}$



Fractions, Decimals and Percents

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Percents

- What is the percent for the fraction $\frac{4}{5}$?
- What is the percent for 0.02?



Percent Answers

- The decimal for $\frac{4}{5}$ is 0.8 (eight tenths)
- Multiply 0.8 by 100 and get 80%
- Multiply the decimal 0.02 by 100 and get 2%



Quiz

- Is $\frac{3}{8}$ a proper or improper fraction?

Proper



Improper



Quiz Continued

- Change $\frac{1}{4}$ into a decimal

0.20



0.25



0.30



0.40



Quiz Continued

- Change the decimal 0.07 into a percent

7%



70%



700%



Great Job on
Fractions,
Decimals, and
Percents!

