



## Converting Rational Numbers

### Today's Standard

7.NS.A2d - Convert a rational number to a decimal using long division; know that the decimal form of a rational number terminates in 0s or eventually repeats.

Cues	Notes
What is a rational number?	A rational number can be expressed as a fraction of two integers.
How do you convert a fraction to a decimal?	To convert a fraction to a decimal, divide the numerator by the denominator.
What are terminating decimals?	Terminating decimals end after a finite number of digits.
What are repeating decimals?	Repeating decimals have one or more repeating digits after the decimal point.
How can repeating decimals be expressed as fractions?	Repeating decimals can be expressed as fractions by using algebraic methods.

### Summary

This standard involves converting rational numbers to decimals using long division and understanding that rational numbers' decimal forms either terminate or repeat.