Decimal Expansion

Know your place values in order to be able to turn a fraction into a decimal or decimal into a fraction.

4/10 = 0.4

43/100 = 0.43

The division bar of the fraction can be considered a 'divide by' symbol.

0	.	8			
Ones	Decimal	Tenths	Hundredths	Thousandths	Ten-thousandths

Sample

Convert 18/100 into a decimal. Simply move the decimal two places to the left. 17. = 0.17

Convert 17/10 in to a decimal. Simply move the decimal one place to the left. 17. = 1.7

Meets: Common Core Standard Precursor to Eighth Grade 8.NS.A.1