

4.NF.6 Fractions as decimals

I can...understand how decimals and fractions can be equal, with denominators of 10 & 100.



decimal

A number with one or more digits to the right side of a decimal point.



3.076 24.89 13.421

tenths

Fraction represented as a decimal, to show parts of a whole.

fraction: $\frac{7}{10}$ decimal: .7 word form: seven-tenths

Tip: When there is ONE zero in the denominator, there must be ONE number after the decimal.

hundredths

Fraction represented as a decimal, to show parts of a whole.

fraction: $\frac{7}{100}$ decimal: .07 word form: seven-hundredths

Tip: When there are TWO zeros in the denominator, there must be TWO numbers after the decimal.

Place Value of Decimals

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	Tenths	Hundredths

Word Form

When a number is expressed in word form, look for the word tenths or hundredths.

five-tenths

$$\frac{5}{10} = .5$$

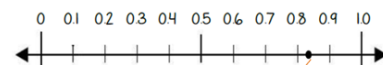
eight-hundredths

$$\frac{8}{100} = .08$$



Decimals on a number line

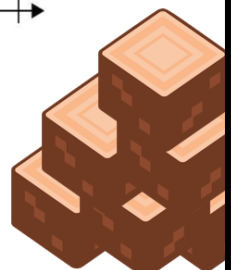
You can place decimals on a number line.
To place .83, place it between .8 and .9



$\frac{83}{100}$

.83

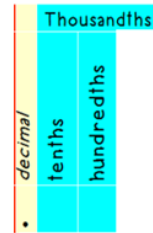
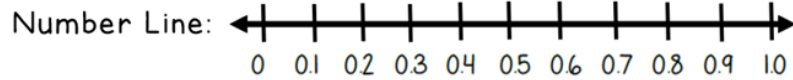
Eighty three-hundredths



PRACTICE

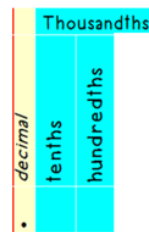
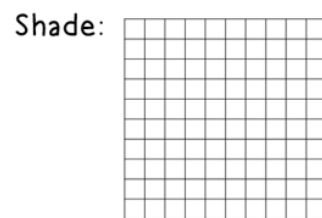
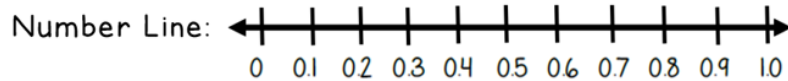
Write $\frac{7}{100}$ as a decimal: _____

Written Form: _____



Write $\frac{35}{100}$ as a decimal: _____

Written Form: _____



Write 0.59 as a fraction: _____

Written Form: _____

