

# Decimals

Looks like  $\frac{4}{100}$   
 $0.50 = \frac{1}{2} = 50\%$   
 part of a whole  
Partial Numbers

## Whole Numbers

1000000	100000	10000	1000	100	10	1	0.1	0.01	0.001	0.0001
millions	hundred thousands	ten thousands	thousands	hundreds	tens	ones	tenths	hundredths	thousandths	ten thousandths
mega-			kilo-	hecto-	deca-	base unit	deci-	centi-	milli-	

Working from ONE to the whole

If  $\square$  is ONE, then

base ten	base ten	base ten	base ten	base ten	base ten	base ten	base ten	base ten	base ten	base ten
long	long	long	long	long	long	long	long	long	long	long
10ths	10ths	10ths	10ths	10ths	10ths	10ths	10ths	10ths	10ths	10ths
cube	cube	cube	cube	cube	cube	cube	cube	cube	cube	cube
100ths	100ths	100ths	100ths	100ths	100ths	100ths	100ths	100ths	100ths	100ths
0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$

Decimals and fractions

How they relate to each other

ONE	ONE	ONE
$\frac{40}{100} = \frac{4}{10}$	$\frac{40}{100} = \frac{4}{10}$	$\frac{40}{100} = \frac{4}{10}$
decimal	fraction	fraction
whole	whole	whole

## Mathematics Standards and Practices

- We will add and subtract decimals to the 100ths.
- We will extend base-ten place value to decimals.
- We will understand the metric system and its relationship to decimals.
- We will use models to show how whole numbers and decimals (to 100ths) relate to simple fractions.

## What we know!!!

Inquiry what we want to learn...