

# Decimals

# Knowledge Organiser

## Key Vocabulary

tenths

hundredths

decimal tenths

decimal hundredths

decimal equivalents

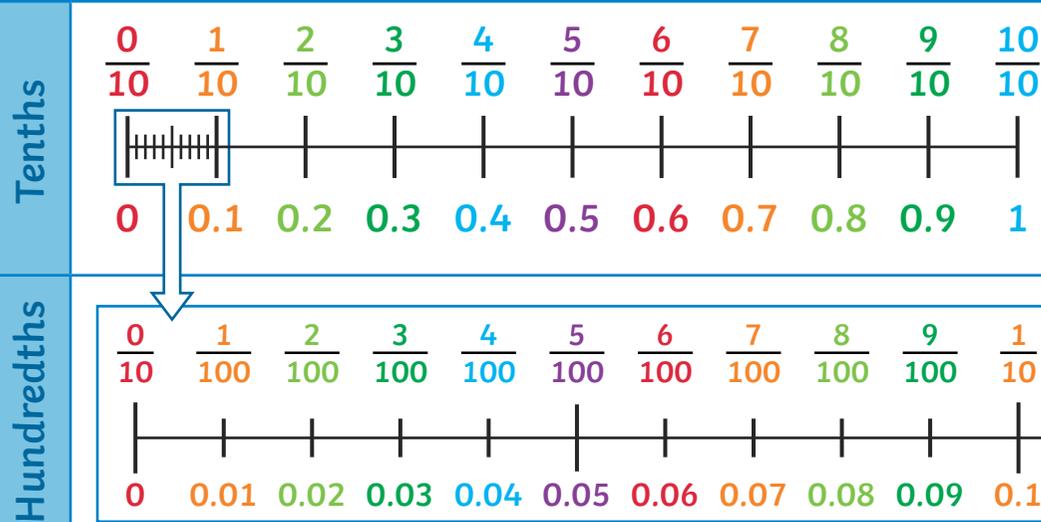
part-whole model

rounding

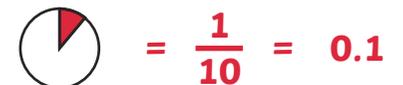
decimal point

place value

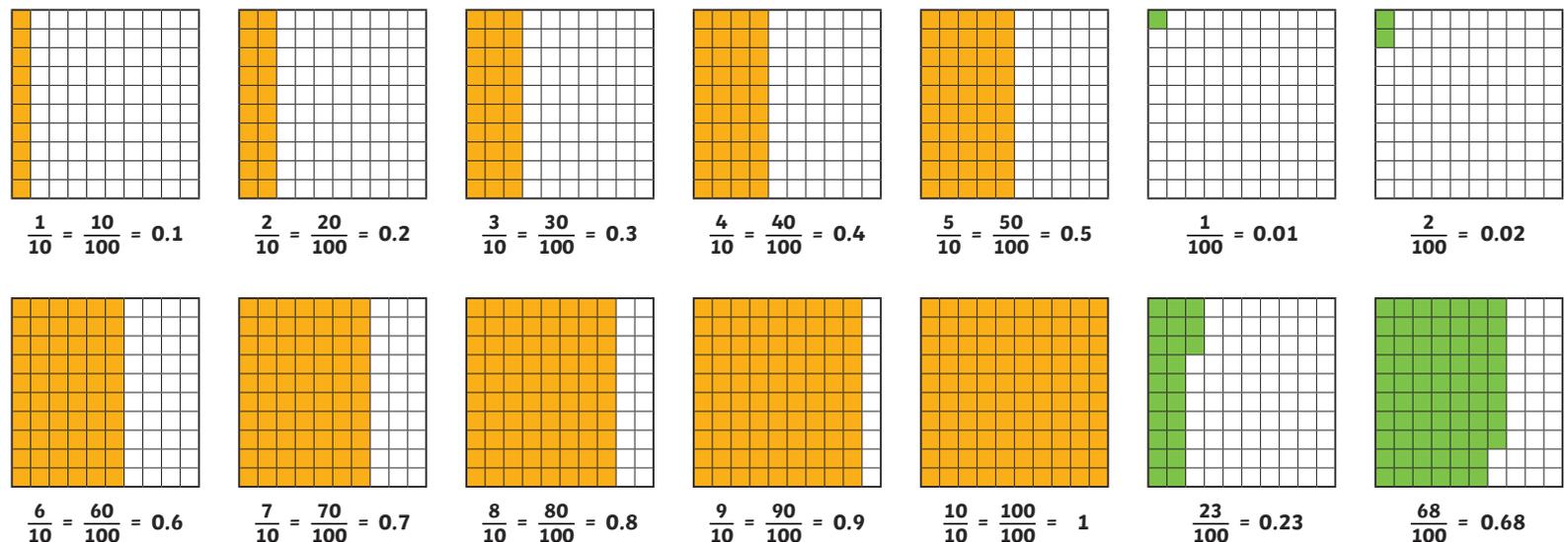
## Tenths and Hundredths



## Fraction and Decimal Equivalents



## Tenth and Hundredth Decimal Equivalents



## Dividing by 10

Tens	Ones	$\div 10$
8	5	

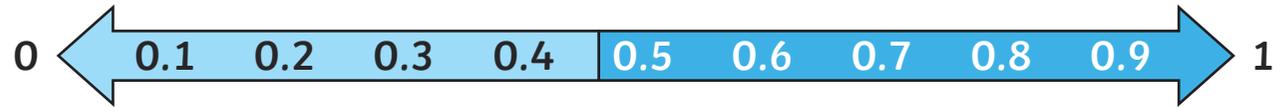
$\div 10$		
Tens	Ones	Tenths
	8	5
		$\div 10$

## Dividing by 100

Tens	Ones	$\div 100$
8	5	

$\div 100$			
Tens	Ones	Tenths	Hundredths
	0	8	5
		$\div 100$	

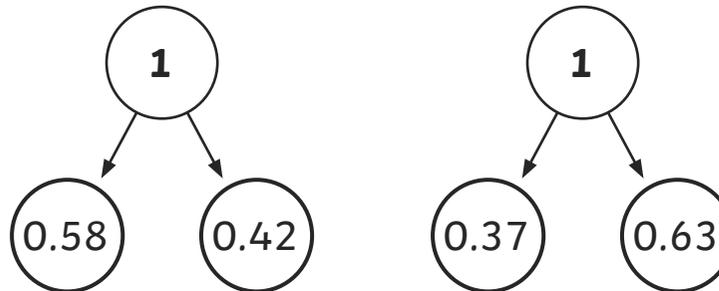
## Rounding Decimals



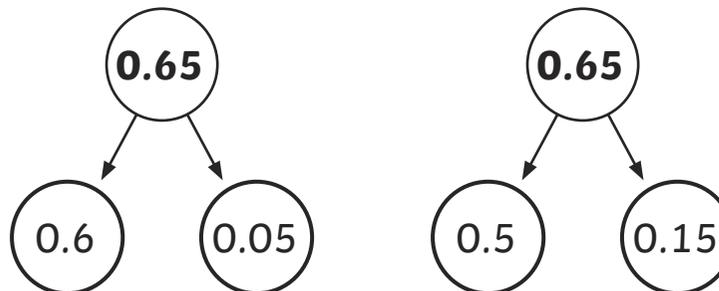
If the tenths digit is **1, 2, 3 or 4**, we round **down** to the nearest whole number.

If the tenths digit is **5, 6, 7, 8 or 9**, we round **up** to the nearest whole number.

## Make a Whole



## Partitioning Tenths and Hundredths



## Comparing Numbers with Two Decimal Places

Ones	Tenths	Hundredths
	$\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$	$\frac{1}{100}$ $\frac{1}{100}$ $\frac{1}{100}$ $\frac{1}{100}$
0	.	3 4

Ones	Tenths	Hundredths
1		$\frac{1}{100}$ $\frac{1}{100}$
1	.	0 2

Ones	Tenths	Hundredths
1 1	$\frac{1}{10}$	$\frac{1}{100}$ $\frac{1}{100}$
2	.	1 3