

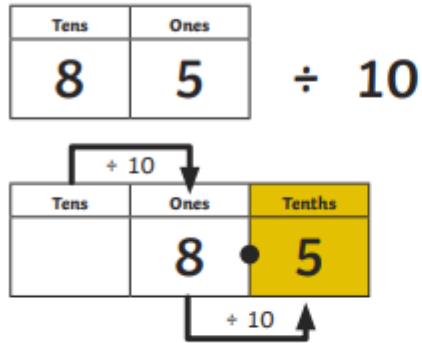
## Year 4 Decimals Knowledge Organiser.

Decimals		Knowledge Organiser	
Key Vocabulary	Tenths and Hundredths		Fraction and Decimal Equivalents
<b>tenths</b>	<b>Tenths</b>	$\frac{0}{10}$ $\frac{1}{10}$ $\frac{2}{10}$ $\frac{3}{10}$ $\frac{4}{10}$ $\frac{5}{10}$ $\frac{6}{10}$ $\frac{7}{10}$ $\frac{8}{10}$ $\frac{9}{10}$ $\frac{10}{10}$	= $\frac{1}{2}$ = <b>0.5</b> = $\frac{1}{4}$ = <b>0.25</b> = $\frac{3}{4}$ = <b>0.75</b> = $\frac{1}{10}$ = <b>0.1</b>
<b>hundredths</b>			
<b>decimal tenths</b>	<b>Hundredths</b>	$\frac{0}{10}$ $\frac{1}{100}$ $\frac{2}{100}$ $\frac{3}{100}$ $\frac{4}{100}$ $\frac{5}{100}$ $\frac{6}{100}$ $\frac{7}{100}$ $\frac{8}{100}$ $\frac{9}{100}$ $\frac{10}{100}$	
<b>decimal hundredths</b>			
<b>decimal equivalents</b>	<b>Tenth and Hundredth Decimal Equivalents</b>		
<b>part-whole model</b>			
<b>rounding</b>	$\frac{1}{10} = \frac{10}{100} = 0.1$ $\frac{2}{10} = \frac{20}{100} = 0.2$ $\frac{3}{10} = \frac{30}{100} = 0.3$ $\frac{4}{10} = \frac{40}{100} = 0.4$ $\frac{5}{10} = \frac{50}{100} = 0.5$ $\frac{1}{100} = 0.01$ $\frac{2}{100} = 0.02$		
<b>decimal point</b>			
<b>place value</b>	$\frac{6}{10} = \frac{60}{100} = 0.6$ $\frac{7}{10} = \frac{70}{100} = 0.7$ $\frac{8}{10} = \frac{80}{100} = 0.8$ $\frac{9}{10} = \frac{90}{100} = 0.9$ $\frac{10}{10} = \frac{100}{100} = 1$ $\frac{23}{100} = 0.23$ $\frac{68}{100} = 0.68$		
visit <a href="https://www.twinkl.com">twinkl.com</a>			

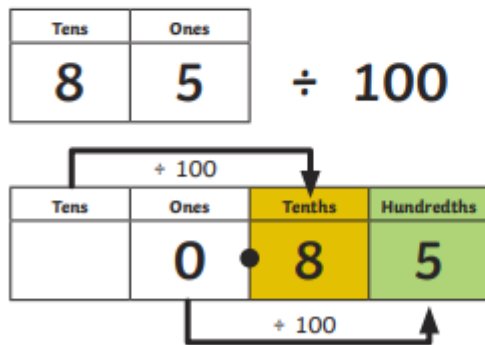
# Decimals

# Knowledge Organiser

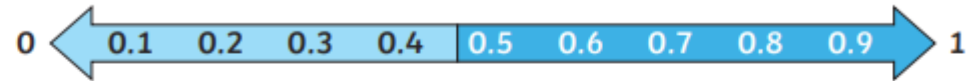
## Dividing by 10



## Dividing by 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

