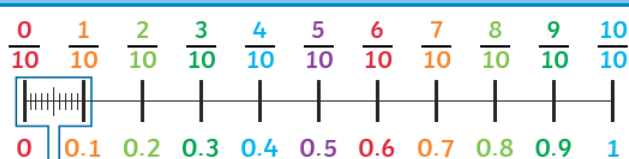




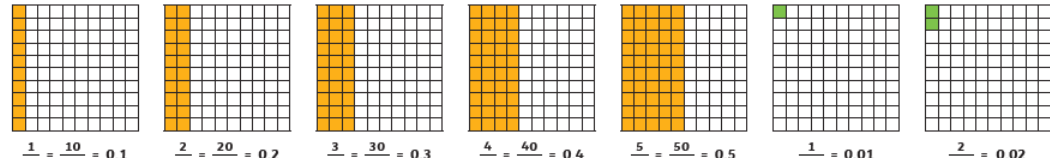
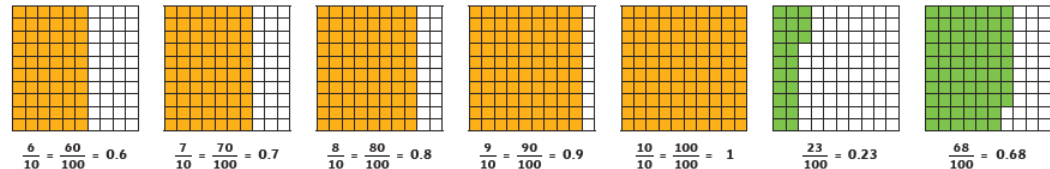
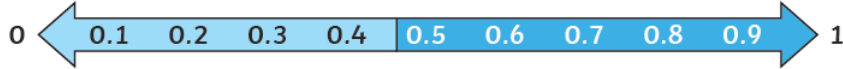
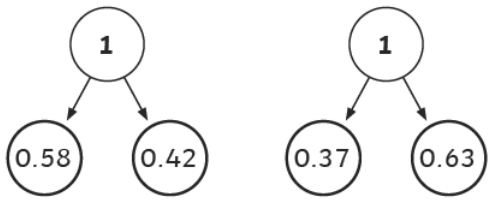


# In maths we are learning about...

Decimals		Knowledge Organiser		
Key Vocabulary	Tenths and Hundredths		Fraction and Decimal Equivalents	
tenths		$\frac{0}{10}$ $\frac{1}{10}$ $\frac{2}{10}$ $\frac{3}{10}$ $\frac{4}{10}$ $\frac{5}{10}$ $\frac{6}{10}$ $\frac{7}{10}$ $\frac{8}{10}$ $\frac{9}{10}$ $\frac{10}{10}$	 = $\frac{1}{2}$ = 0.5	
hundredths		$0$ $0.1$ $0.2$ $0.3$ $0.4$ $0.5$ $0.6$ $0.7$ $0.8$ $0.9$ $1$	$\frac{0}{10}$ $\frac{1}{100}$ $\frac{2}{100}$ $\frac{3}{100}$ $\frac{4}{100}$ $\frac{5}{100}$ $\frac{6}{100}$ $\frac{7}{100}$ $\frac{8}{100}$ $\frac{9}{100}$ $\frac{10}{100}$	 = $\frac{1}{4}$ = 0.25
decimal tenths		$0$ $0.01$ $0.02$ $0.03$ $0.04$ $0.05$ $0.06$ $0.07$ $0.08$ $0.09$ $0.1$	$0$ $0.01$ $0.02$ $0.03$ $0.04$ $0.05$ $0.06$ $0.07$ $0.08$ $0.09$ $0.1$	 = $\frac{3}{4}$ = 0.75
decimal hundredths	Tenth and Hundredth Decimal Equivalents		 = $\frac{1}{10}$ = 0.1	
decimal equivalents				
part-whole model				
rounding				
decimal point				
place value				

Decimals		Knowledge Organiser									
Dividing by 10	Rounding Decimals										
<table border="1"> <tr><td>Tens</td><td>Ones</td></tr> <tr><td>8</td><td>5</td></tr> </table> $\div 10$	Tens	Ones	8	5							
Tens	Ones										
8	5										
<table border="1"> <tr><td>Tens</td><td>Ones</td><td>Tenths</td></tr> <tr><td></td><td>8</td><td>5</td></tr> </table>	Tens	Ones	Tenths		8	5	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.			
Tens	Ones	Tenths									
	8	5									
Dividing by 100	Make a Whole										
<table border="1"> <tr><td>Tens</td><td>Ones</td></tr> <tr><td>8</td><td>5</td></tr> </table> $\div 100$	Tens	Ones	8	5							
Tens	Ones										
8	5										
<table border="1"> <tr><td>Tens</td><td>Ones</td><td>Tenths</td><td>Hundredths</td></tr> <tr><td></td><td>0</td><td>8</td><td>5</td></tr> </table>	Tens	Ones	Tenths	Hundredths		0	8	5	Comparing Numbers with Two Decimal Places		
Tens	Ones	Tenths	Hundredths								
	0	8	5								
	<table border="1"> <tr><td>Ones</td><td>Tenths</td><td>Hundredths</td></tr> <tr><td></td><td>3</td><td>4</td></tr> </table>			Ones	Tenths	Hundredths		3	4		
Ones	Tenths	Hundredths									
	3	4									
	<table border="1"> <tr><td>Ones</td><td>Tenths</td><td>Hundredths</td></tr> <tr><td>1</td><td>0</td><td>2</td></tr> </table>			Ones	Tenths	Hundredths	1	0	2		
Ones	Tenths	Hundredths									
1	0	2									
	<table border="1"> <tr><td>Ones</td><td>Tenths</td><td>Hundredths</td></tr> <tr><td>2</td><td>1</td><td>3</td></tr> </table>			Ones	Tenths	Hundredths	2	1	3		
Ones	Tenths	Hundredths									
2	1	3									
	Partitioning Tenths and Hundredths										
	