

Decimals Knowledge

0.4
decimal


 $\frac{4}{10} = \frac{10}{100} = 0.1$
tenths


 $\frac{1}{100} = 0.01$
hundredths


 $\frac{1}{10} = \frac{10}{100} = 0.1$
decimal tenths

Tenths and Hundredths

Tenths										
0	1	2	3	4	5	6	7	8	9	10
$\frac{0}{10}$	$\frac{1}{10}$	$\frac{2}{10}$	$\frac{3}{10}$	$\frac{4}{10}$	$\frac{5}{10}$	$\frac{6}{10}$	$\frac{7}{10}$	$\frac{8}{10}$	$\frac{9}{10}$	$\frac{10}{10}$

Hundreds										
0	1	2	3	4	5	6	7	8	9	1
$\frac{0}{100}$	$\frac{1}{100}$	$\frac{2}{100}$	$\frac{3}{100}$	$\frac{4}{100}$	$\frac{5}{100}$	$\frac{6}{100}$	$\frac{7}{100}$	$\frac{8}{100}$	$\frac{9}{100}$	$\frac{1}{10}$

Hundreds										
0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.1


 $\frac{1}{100} = 0.01$
decimal hundredths

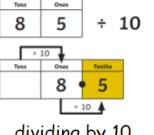
$\frac{1}{2} = 0.5$
decimal equivalents

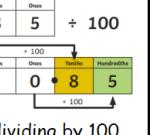

0.65
↓
0.6 0.05
part-whole model

~~8.3498 → 8.3~~
~~9.3872 → 9.4~~
rounding


0.4
decimal point

HTU
354
place value


 $8 \cdot 5 \div 10$
dividing by 10

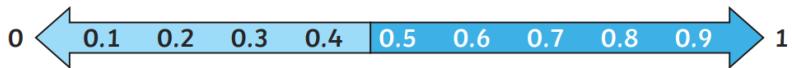

 $8 \cdot 5 \div 100$
dividing by 100

Fraction and Decimal Equivalents

	$= \frac{1}{2}$	$= 0.5$		$= \frac{3}{4}$	$= 0.75$
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	$= \frac{1}{4}$	$= 0.25$		$= \frac{1}{10}$	$= 0.1$
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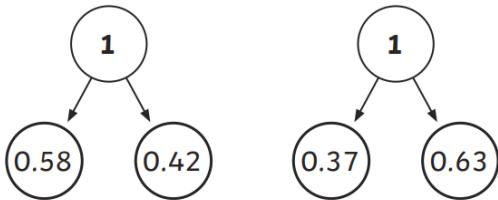
Rounding Decimals



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



Decimals Knowledge

0.4
decimal


 $\frac{4}{10} = \frac{10}{100} = 0.1$
tenths


 $\frac{1}{100} = 0.01$
hundredths


 $\frac{1}{10} = \frac{10}{100} = 0.1$
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Tenths and Hundredths

Tenths										
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Hundreds										
0	1	2	3	4	5	6	7	8	9	1
$\frac{0}{100}$	$\frac{1}{100}$	$\frac{2}{100}$	$\frac{3}{100}$	$\frac{4}{100}$	$\frac{5}{100}$	$\frac{6}{100}$	$\frac{7}{100}$	$\frac{8}{100}$	$\frac{9}{100}$	$\frac{1}{10}$

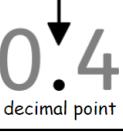
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 $\frac{1}{100} = 0.01$
decimal hundredths

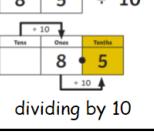
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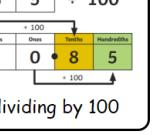

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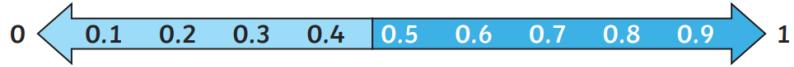

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