## Maths - Year 5

## Numbers and the Number System 3: Understanding decimals

Key Vocabulary			Mathematical Skills						
Equivalence	The same value represented in different ways.	- m	Read and inter neasuring equi	rpret decimal nu pment.	mbers shown	on digital			
Ones	Refers to the number of whole ones in a number.	- n -	<ul> <li>Appreciate that adding o to the right of a decimal number does not change its size.</li> <li>Convert measurements between units, making use</li> </ul>						
Tenths	Refers to the number of tenths (one whole one split into 10 equal pieces) in a decimal number e.g. 2.431 has 4 tenths.	d - p -	decimal notation. - Read and write numbers with up to three decimal places. - Position decimal fractions on a number line.						
Hundredths	Refers to the number of hundredths (one whole one split into 100 equal pieces) in a decimal number e.g. 2.431 has 3 hundredths.	- h -	Explain the rel undredths and Explain comm Recognise fan	ationship betwe I thousandths. Ion fractions and niliar decimal an	en ones, tenth d decimal equiv d common fra	enths, quivalents. fraction			
Thousandths	Refers to the number of thousandths (one whole one split into 1000 equal pieces) in a decimal number e.g. 2.431 has 1 thousandth.	- d e	Recognise the ividing, includi quivalent of a Represent dec	e relationship be ng using a calcu common fractio cimal fractions w	between fractions and liculator to find the decimal ction.				
Decimal fraction	A fraction represented by a decimal e.g. $y_{10} = 0.1$ .	- C(	Give decimal onsecutive wh	numbers which l ole numbers, tel	lie between giv nths, or hundro	ven edths.			
Interval	The distance between two points or the numbers between two values	the most significant figure.				Killg at			
	Mathemati	ica	al Methods						
- Revisiting the	use of decimals in measurement e.g.		kg	kg and g	g				
			l·25 kg	l kg 250 g	l250g				

- Making connections between fractions and decimals—tenths.





- Making connections between fractions and decimals—hundredths.

E.g.	1	25	2	5	Ones	• tenth	s hundredths	0	<u> </u>	<u> </u>	34	1
	4	100	10 010	100		• 2	5	0	0.25	0.5	0.75	

- Representing decimals with base-ten apparatus e.g. 1.75





## Can you..?

- Write three decimals that lie between 24¼ and 24½.

- How much of the baseboard is covered in blue? Write this as a fraction and as a decimal.

$\odot \odot \odot \odot \odot \odot$	0	0	0	0
$\circ \circ \circ \circ \circ \circ$	0	0	0	0
000000	0	0	0	0
$\bigcirc \bigcirc $	0	0	0	0
000000	0	0	0	0
000000	0	0	0	0
0000000	0	0	0	0
$\bigcirc \bigcirc $	0	0	0	0
$\bigcirc \bigcirc $	0	0	0	0
$\odot \odot \odot \odot \odot \odot \odot$	0	0	0	0

- Write 3.75 as a fraction.

- Which number is bigger 2.343 or 2.398? Explain your answer.