Year 5 Maths

**Steppingstone activity**

Week 1 Lesson 3 – 22.04.20

LO: To recognise decimals as fractions

Success Criteria:

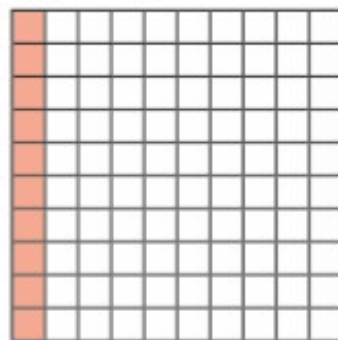| |
|---|
| 1. First write your fraction and say it aloud |
| 2. Now work out how many wholes you have – remember 100/100 = 1 (numerator and denominator are the same) |
| 3. Next work out how many hundredths you have left – write this as a decimal – 0. ? |
| 4. Now combine your answers to write the full decimal number. |

Model

This grid represents 1
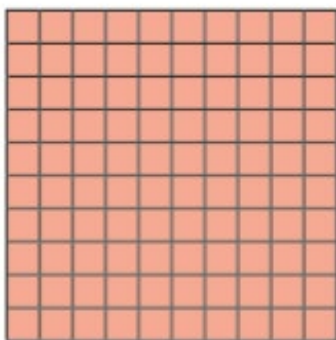
This grid represents 0.1 or

$\frac{10}{100}$ or $\frac{1}{10}$

How is the fraction $\frac{320}{100}$ written as a decimal?

300 hundredths = 3

20 hundredths = 0.20 = 0.2

$\frac{320}{100}$ = 3.2

Now you try these- Partition your number as in the second example above and write as a decimal:

120/100   **456/100**   **297/100**   **562/100**   **301/100**

Year 5 Maths

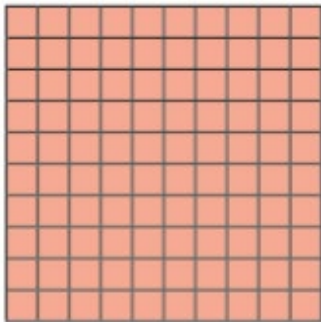**Week 1 Lesson 3 – 22.04.20**
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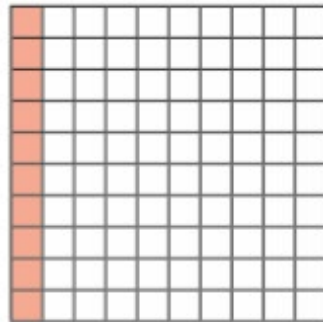You are going to practise Decimals and Fractions!

Model:

This grid represents 1

This grid represents 0.1 or $\frac{10}{100}$ or $\frac{1}{10}$

1.1   1.57

1.0   2.0

What does each interval represent?

Where is 1.1 on the number line?

Where is 1.57 on the number line?

How is the fraction $\frac{320}{100}$ written as a decimal?

300 hundredths = 3

20 hundredths = 0.20 = 0.2

$\frac{320}{100}$ = 3.2

Decimal	Decimal (expanded form)	Fraction	Fraction (expanded form)	In words
2.13	$2 + 0.1 + 0.03$	$2\frac{13}{100}$	$2 + \frac{1}{10} + \frac{3}{100}$	2 ones, 1 tenth and 3 hundredths
4.37		$4\frac{\square}{100}$		
	$5 + 0.6 + 0.02$			
				8 ones and 2 hundredths

b) Label the number line with the fractions.

$5\frac{1}{10}$	$5\frac{1}{2}$	$5\frac{73}{100}$	$\frac{590}{100}$

5.0 ———————————————— 6.0
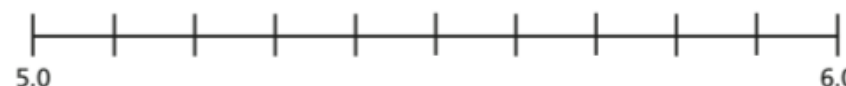
Use the digits 3, 4 and 5 to complete the decimal number.

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How many different numbers can you make?

Write the decimals as fractions.
Give your answer as a mixed number.

a) $32.6 = \square \dfrac{\square}{10}$

b) $2.03 = \square \dfrac{\square}{100}$

c) $13.08 = \square \dfrac{\square}{100}$

d) $3.98 = \square \dfrac{\square}{100}$