

Canonbury Home Learning  
**Year 5 Maths**  
**Steppingstone activity**



**Week 3 Lesson 3 – 22.04.20**

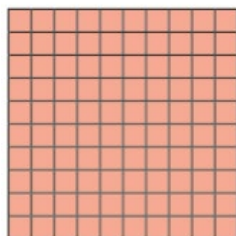
**LO: To recognise decimals as fractions**

**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.  |

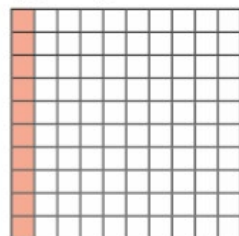
**Model**

This grid represents 1



This grid represents 0.1 or

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



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

$$300 \text{ hundredths} = 3$$

$$20 \text{ hundredths} = 0.20 = 0.2$$

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

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

**120/100**

$$100 \text{ hundredths} = 1$$

$$20 \text{ hundredths} = 0.2$$

$$0 \text{ hundredths} = 0$$

$$120/100 = 1.2$$

**456/100**

$$400 \text{ hundredths} = 4$$

$$50 \text{ hundredths} = 0.5$$

$$6 \text{ hundredths} = 0.06$$

$$456/100 = 4.56$$

**297/100**

$$200 \text{ hundredths} = 2$$

$$90 \text{ hundredths} = 0.9$$

$$7 \text{ hundredths} = 0.07$$

$$297/100 = 2.97$$

**562/100**

$$500 \text{ hundredths} = 5$$

$$60 \text{ hundredths} = 0.6$$

$$2 \text{ hundredths} = 0.02$$

$$562/100 = 5.62$$

**301/100**

$$300 \text{ hundredths} = 3$$

$$0 \text{ hundredths} = 0$$

$$1 \text{ hundredth} = 0.01$$

$$301/100 = 3.01$$

Year 5 Maths

Week 3 Lesson 3 – 22.04.20

LO: To recognise decimals as fractions

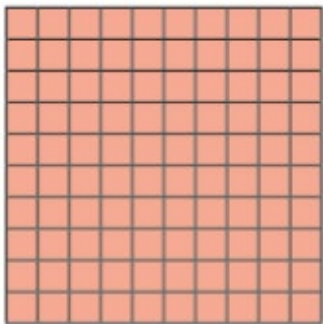
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You are going to practise Decimals and Fractions!

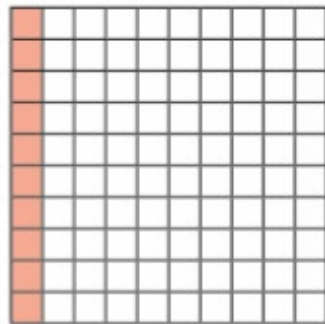
**Model:**

This grid represents 1



This grid represents 0.1 or

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



What does each interval represent?

Where is 1.1 on the number line?

Where is 1.7 on the number line?

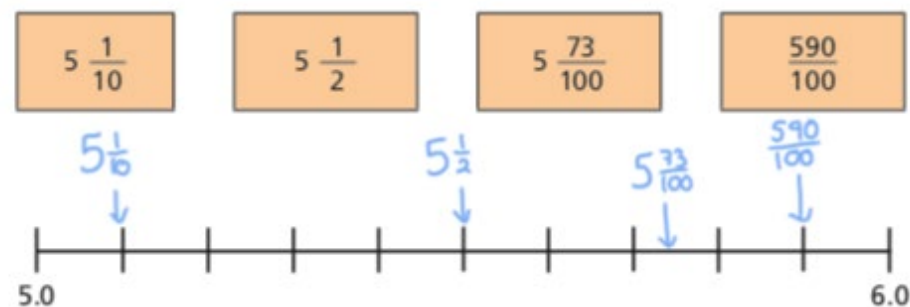
How is the fraction  $\frac{320}{100}$  written as a decimal?

$$300 \text{ hundredths} = 3$$

$$20 \text{ hundredths} = 0.20 = 0.2$$

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

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	$4 + 0.3 + 0.07$	$4 \frac{37}{100}$	$4 + \frac{3}{10} + \frac{7}{100}$	4 ones, 3 tenths and 7 hundredths
5.62	$5 + 0.6 + 0.02$	$5 \frac{62}{100}$	$5 + \frac{6}{10} + \frac{2}{100}$	5 ones, 6 tenths and 2 hundredths
8.02	$8 + 0.02$	$8 \frac{2}{100}$	$8 + \frac{2}{100}$	8 ones and 2 hundredths



**8** Use the digits 3, 4 and 5 to complete the decimal number.

e.g. 3 4 . 0 5

How many different numbers can you make?

Write the decimals as fractions.

Give your answer as a mixed number.

a)  $32.6 = \frac{\boxed{32}}{\boxed{10}} \frac{\boxed{6}}{\boxed{10}}$

b)  $2.03 = \frac{\boxed{2}}{\boxed{100}} \frac{\boxed{3}}{\boxed{100}}$

c)  $13.08 = \frac{\boxed{13}}{\boxed{100}} \frac{\boxed{8}}{\boxed{100}}$

d)  $3.98 = \frac{\boxed{3}}{\boxed{100}} \frac{\boxed{98}}{\boxed{100}}$