## WALT write decimals as fractions.





- ' Recognise that decimals can be written as fractions.
- Recognise decimals as parts of a whole number.
- Use our knowledge of 100 to create fractions out of decimals with denominators of 10 or 100.





Just like fractions, Decimals are parts of a whole. Fractions and decimals are therefore showing you the same thing in a different way.



## Have a look at it represented with counters below.



This works the same way for hundredths. If 8 out of 100 squares are shaded in, that is 0.08 - what would it be as a fraction?



Look at the table below. What is missing? Can any of them be shown with a denominator of 100 or 10, with a whole number as the numerator?

125 401004 175	
Decimal	Fraction
0.20	$\frac{2}{10}$ or $\frac{20}{100}$
0.05	<u>5</u> 100
0.6	<u>6</u> 10
0.73	<u>73</u> 100
0.45	<u>45</u> 100

Remember, as parts of a whole number, decimals fit onto a number line. You can use equivalent fractions for these if they are tenths or hundredths. Please fill in the gaps and write each fraction as a decimal.





## Challenge time!







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If you finish and would like a challenge...



Parvinder is thinking of a number. It is greater than  $\frac{4}{10}$  but less than 0.65. Which of these representations could it be? Explain how you know if it is or isn't.





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