

LO: decimals as fractions

Some will even convert decimals into mixed numbers.

Some will place both fractions and decimals on a number line.

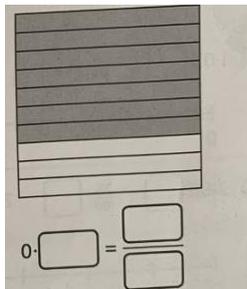
Most will represent decimals on a place value chart.

All will understand the relationship between decimals and fractions.

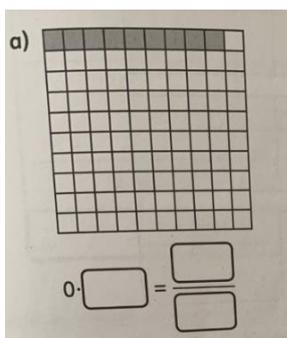
Well done on completing your first maths task. Hope you are staying safe and getting on with the people you live with make sure you take care of yourselves! The whole year 5 team are really proud of you and the hard work you are putting in whilst we are off.

For this maths task we are going to be looking at decimals as fraction. We have covered this in one lesson already so you should a have some already have some knowledge this time know the decimals are slightly harder.

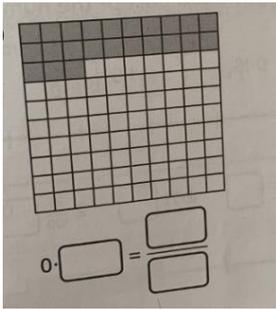
Guided practice



If you look at the picture you will see that there are 10 blocks altogether and 7 are shaded in this means that the decimal is 0.7 so as a fraction it is $\frac{7}{10}$



If you look at the picture you can see that there are 100 squares altogether and 9 are shaded in this means that the decimal is 0.09 because the first place value column after the decimal represents tenths so we leave that one blank then because it's 0.09 as a decimal it is $\frac{9}{100}$ as a fraction.



In this picture there are 100 squares altogether and 23 shaded in so this means that the decimal is 0.23 and the fraction is $\frac{23}{100}$.



Write these decimals as fractions

- 0.7
- 0.3
- 0.5
- 0.4
- 0.2

Write these decimals as fractions

- 0.01
- 0.03
- 0.05
- 0.06
- 0.08

Write these decimals as fractions

- 0.45
- 0.64
- 0.21
- 0.54
- 0.88

Dive deeper 2

Complete the table.

Decimal number	Mixed number	Improper fraction
1.61	$1 \frac{61}{100}$	
	$1 \frac{6}{10}$	
		$\frac{226}{100}$
2.06		
	$4 \frac{60}{100}$	

Ladder page

I can read, write, order and compare numbers that have a mixture of 1, 2 or 3 decimal places		
I can recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents		
I can round decimals with 2 decimal places to the nearest whole number and to one decimal place		
I can compare and order whole numbers and decimals with up to 2 decimal places		