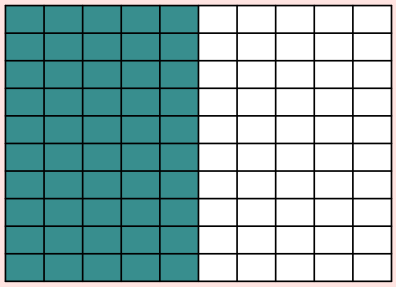
22.04.21

LO: To identify equivalent decimals

(half, quarter and three-quarters)

Starter

Round the decimals to the nearest whole numbers.



0.5

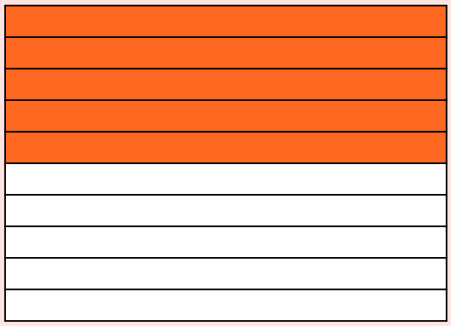
$\frac{5}{10}$ $\frac{1}{2}$

$\frac{50}{100}$

I do

What is this fraction/decimal?

Write the equivalent fractions.



We do

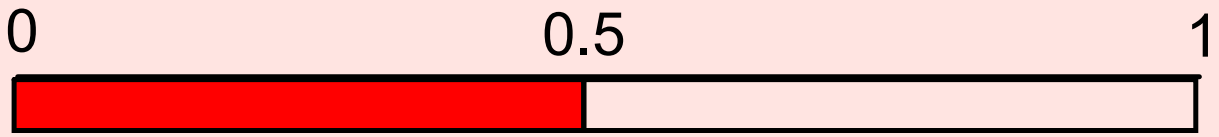
What is this fraction/decimal?

Write the equivalent fractions.

We do

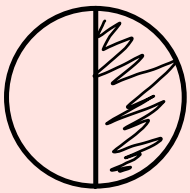
What is the fraction of this number line?

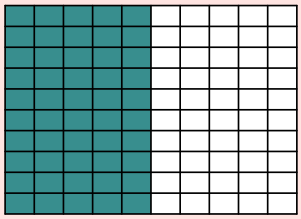
Write the equivalent fractions.



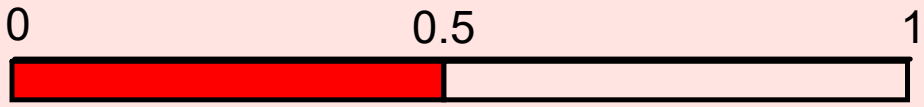
We do.

Are all these the same?









$\frac{1}{2}$ $\frac{50}{100}$ $\frac{5}{10}$ 0.5

Find $\frac{25}{100}$ on a hundred square

How else could you describe this?

I do

$\frac{25}{100} = 0.25$

$\frac{1}{4}$ of 100



There are 4 equal groups

1 out of 4 equal groups =

1 out of 4 equal groups = $\frac{\square}{100}$

$\frac{1}{4} = \frac{\square}{100} = _____$

t	0	tenths	hundredths
	0	2	5

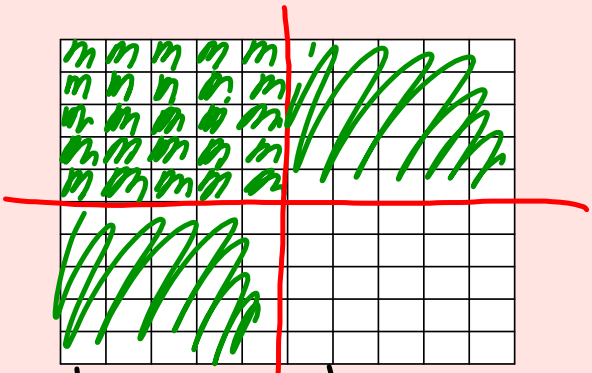
We do

$\frac{75}{100}$ = 0.75

There are 4 equal groups

3 out of 4 equal groups = $\frac{3}{4}$

3 out of 4 equal groups = $\frac{\square}{100}$



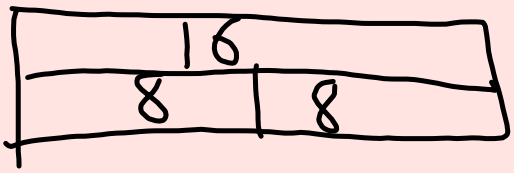
$\frac{3}{4} = \frac{\square}{100} =$ _____

t	0	tenths	hundredths
0	.	7	5

$\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$

$1 \times 2 = 2$, $8 \times 2 = 16$

I do What is $\frac{8}{16}$ equivalent to?



We know that $\frac{1}{2}$ is the same as $\frac{2}{4}$

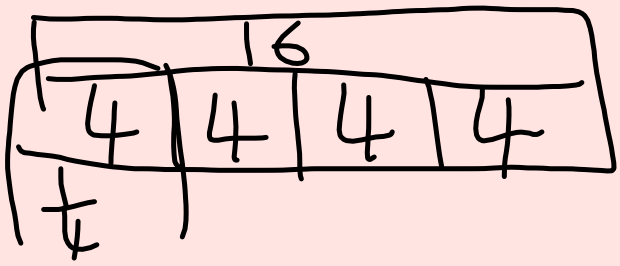
So we are looking for $\frac{1}{4}$ $\frac{2}{4}$ $\frac{3}{4}$

$\frac{8}{16}$ 0.5

$\frac{1}{4} \times \frac{4}{4} = \frac{4}{16}$ $\frac{1}{2}$ $\frac{3}{4}$

What is $\frac{4}{16}$

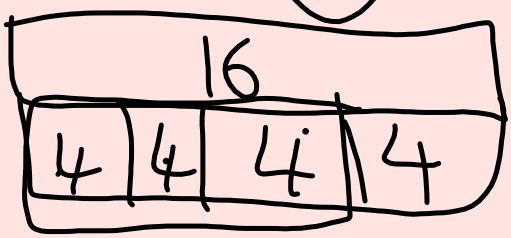
We do



$\frac{1}{4}$ $\frac{1}{2}$ $\frac{3 \times 4}{4} \frac{12}{16}$ ×4

What is $\frac{12}{16}$

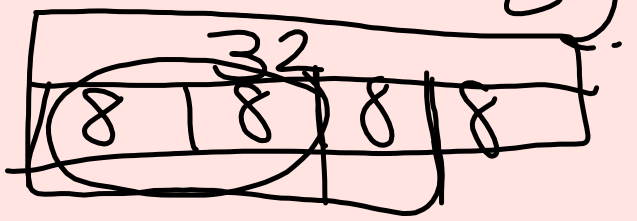
I do



$\frac{1}{4}$

$\frac{1}{2}$ $\frac{3}{4}$ ×8 24 32 ×8

We do What is $\frac{24}{32}$ 16 32



You do

0.5

$\frac{1}{2}$

Louisa says:

If I know $\frac{1}{2}$ is 0.5 as a decimal, I also know $\frac{3}{6}$, $\frac{4}{8}$ and $\frac{6}{12}$ are equivalent to 0.5 as a decimal.

Explain Louisa's thinking.

Louisa knows this because the numerator is half of the denominator.

True or False?

$\frac{1}{2} = 1.2$, $\frac{1}{4} = 1.4$ and $\frac{3}{4} = 3.4$

Explain your answer.

$\frac{1}{2} = 0.5$

$\frac{1}{4} = 0.25$

$\frac{3}{4} = 0.75$