

Tenths and Hundredths

Aim

- I can recognise decimal equivalents for tenths and hundredths.

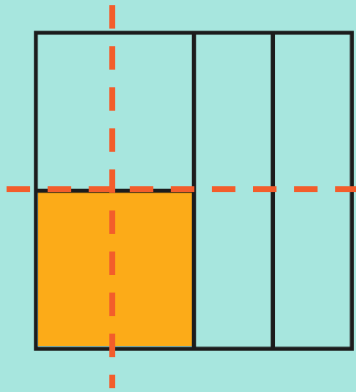
Success Criteria

- I can recognise decimal equivalents for tenths.
- I can recognise decimal equivalents for hundredths.

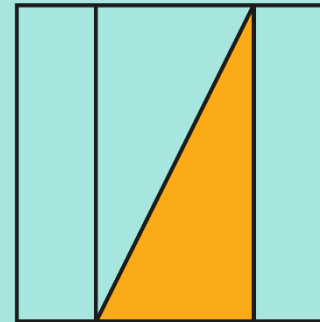
Quarter Hunt



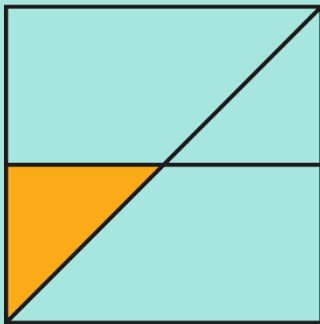
Which of these images represents a quarter?



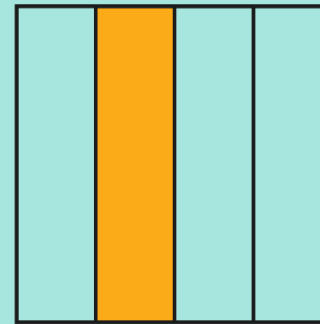
Is a quarter because the whole square is split into 4 equal sized pieces. It is split in half and each half is split in half again.



Is a quarter because the whole square is split into 4 equal sized pieces. The 2 rectangles together make half and the remaining half is split in half again.



Is not a quarter because the 4 pieces are not equal sizes.

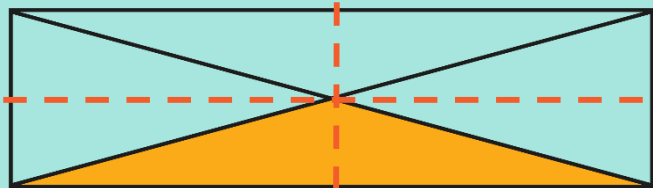


Is a quarter because the whole square is split into 4 equal sized pieces.

Quarter Hunt



Which of these images represents a quarter?



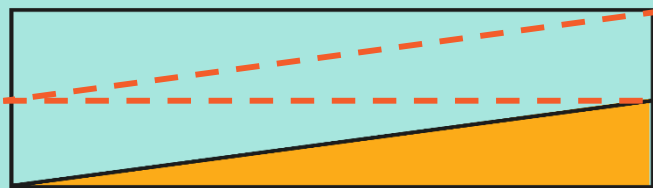
Is a quarter because the whole rectangle is split into 4 equal sized pieces. Each diagonal splits the rectangle in half so each half is cut in half again.



Is not a quarter because the 4 pieces are not equal sizes.



Is a quarter because the whole rectangle is split into 4 equal sized pieces.

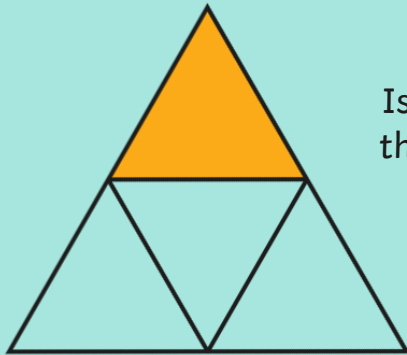


Is a quarter because the whole rectangle is split into 4 equal sized pieces. The rectangle is split in half and each half is split in half again.

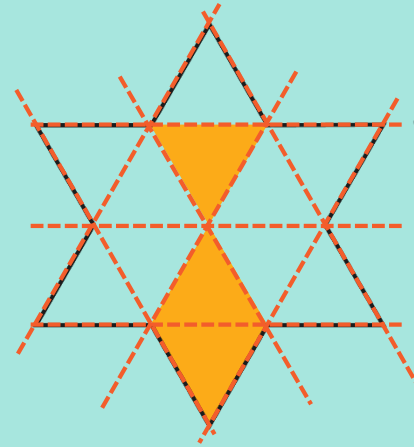
Quarter Hunt



Which of these images represents a quarter?



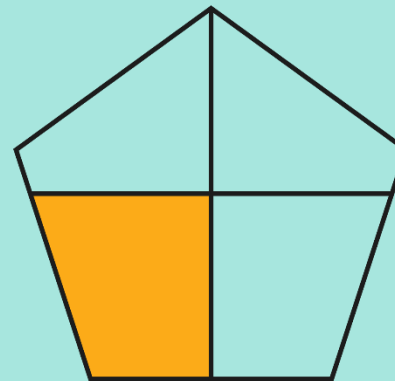
Is a quarter because the whole triangle is split into 4 equal sized pieces.



Is a quarter because the whole star can be split into 12 equal sized triangles and 3 of the triangles are coloured in. $\frac{3}{12}$ is equivalent to $\frac{1}{4}$.



Is not a quarter because the 4 pieces are not equal sizes.

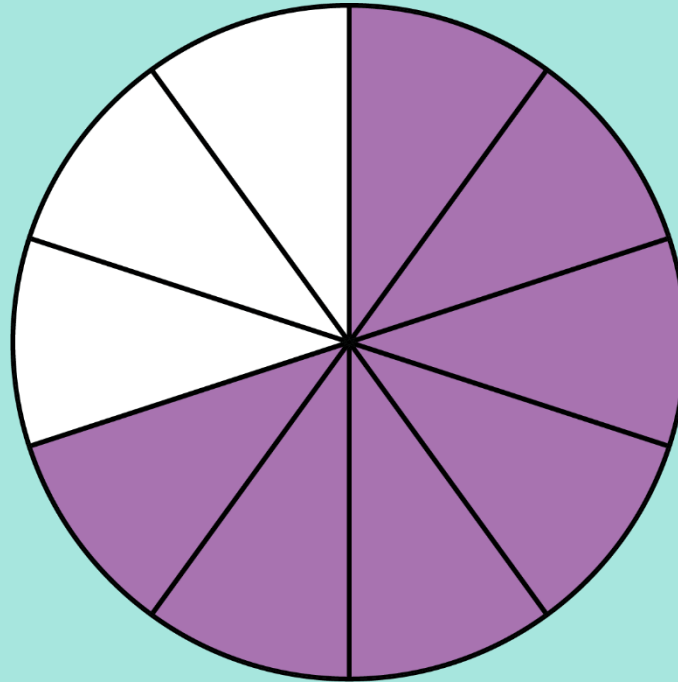


Is not a quarter because the 4 pieces are not equal sizes.

Tenths and Hundredths



What fraction is represented by...

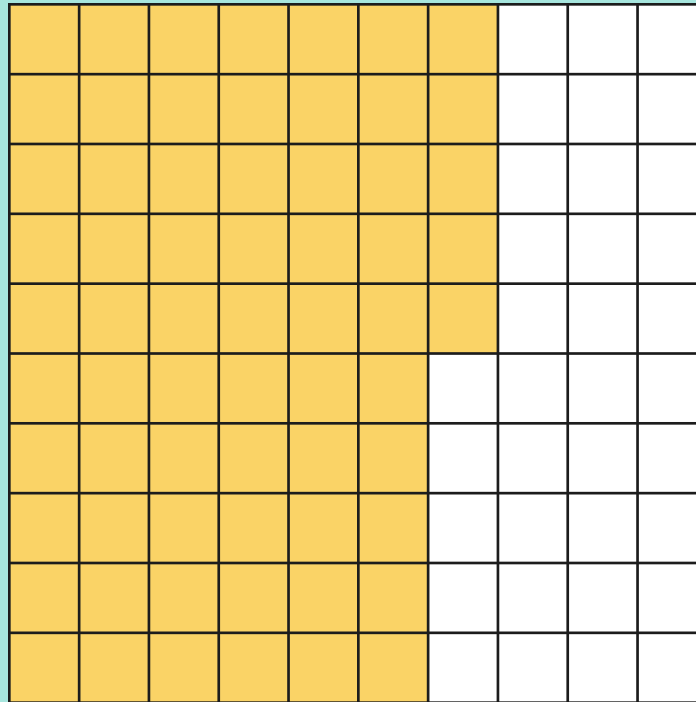


$\frac{7}{10}$ because the whole circle has been divided into 10 equal pieces and 7 of them are coloured in.

Tenths and Hundredths



What fraction is represented by...

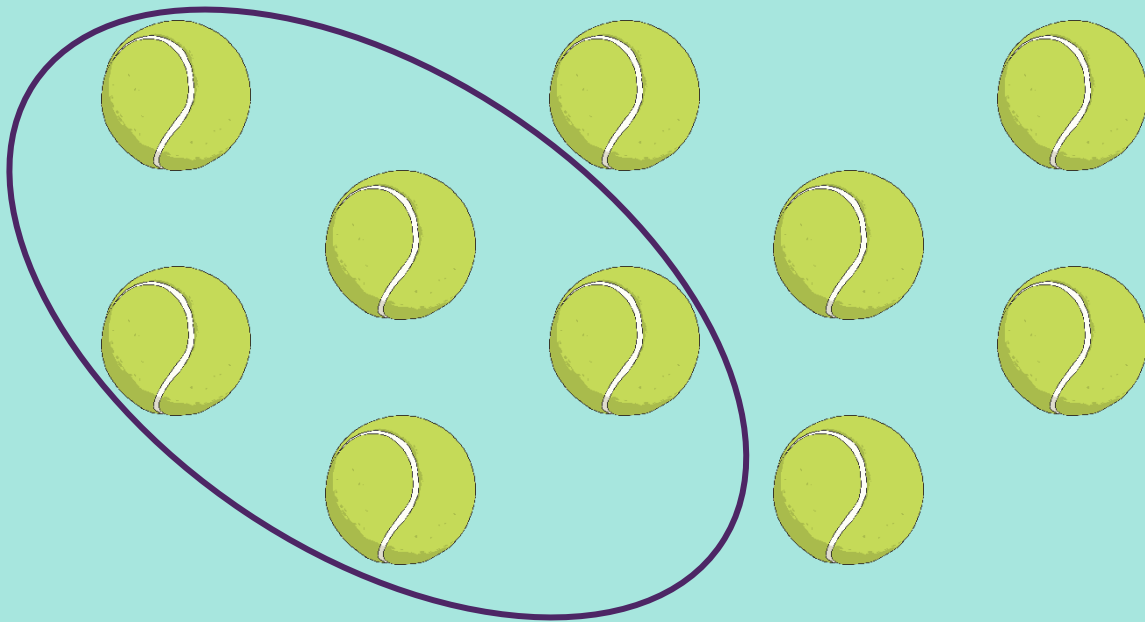


$\frac{65}{100}$ because the whole square has been divided in to 100 equal pieces and 65 of them are coloured in.

Tenths and Hundredths



What fraction is represented by...

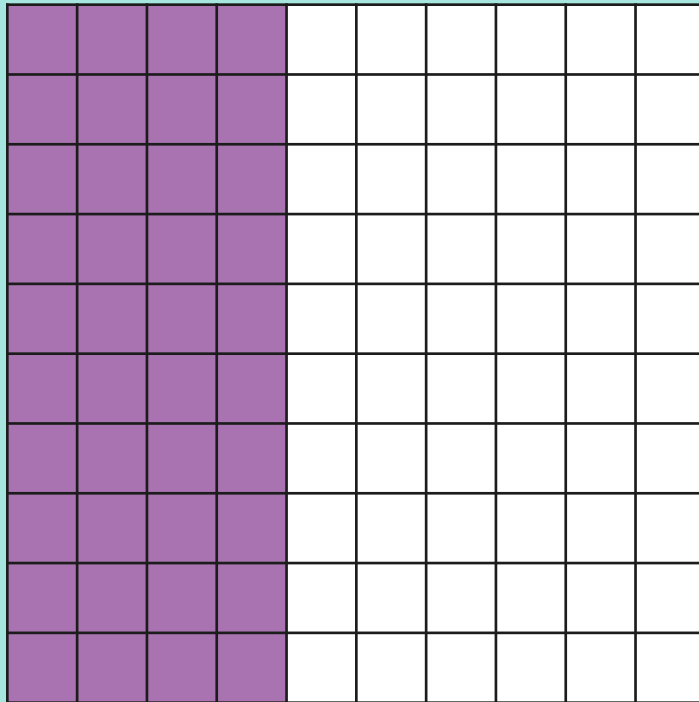


$\frac{5}{10}$ because there are 10 objects, and 5 of them have been selected.

Tenths and Hundredths



What fraction is represented by...



$\frac{40}{100}$ because the whole square has been divided into 100 equal pieces and 40 of them are coloured in.

Or

$\frac{4}{10}$ because the whole group of 100 squares could be divided into equal groups of 10 squares each and 4 of those groups are coloured in.

Place Value



How do you know?

If this column represents ones,

		Ones	•	
	?		•	

what does this column represent?

Place Value



How do you know?

$\times 10$



	Tens	Ones		
			•	
			•	

$\div 10$



Place Value



How do you know?

If this column represents tens,

$\times 10$

	Tens	Ones	.	
?				

$\div 10$

what does this column represent?

Place Value



How do you know?

$\times 10$



Hundreds	Tens	Ones	.	

$\div 10$



Place Value



How do you know?

Hundreds	Tens	Ones		
			•	
			•	

What happens as we move to the left across the columns?
What happens as we move to the right across the columns?

Place Value



How do you know?

If this column represents ones,

Hundreds	Tens	Ones		
			•	?
			•	

what does this column represent?

Place Value



How do you know?

$\times 10$



Hundreds	Tens	Ones	tenths	



$\div 10$

Place Value



How do you know?

If this column represents tenths,

Hundreds	Tens	Ones	tenths	
				?

what does this column represent?

Place Value



How do you know?

Hundreds	Tens	Ones	tenths	hundredths

$\times 10$



$\div 10$



Fractions to Decimals



How would you write $\frac{10}{10}$ as a decimal number?

Hundreds	Tens	Ones	•	tenths	hundredths
		1	•		

Fractions to Decimals



How would you write $\frac{8}{100}$ as a decimal number?

Hundreds	Tens	Ones	•	tenths	hundredths
		0	•	0	8

Place holders

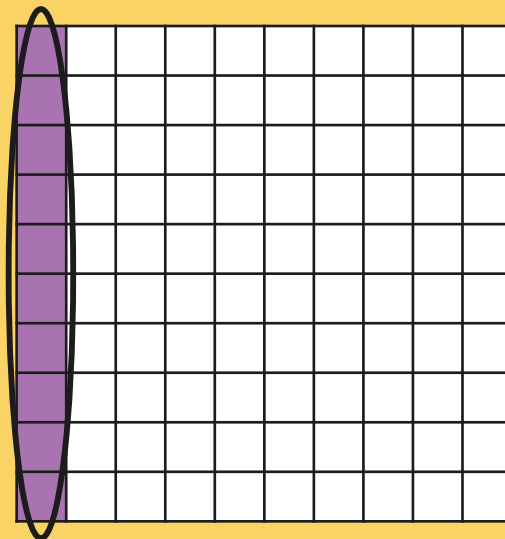
8 hundredths

Fractions to Decimals

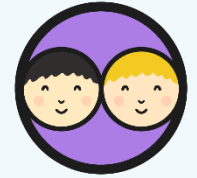


How would you write $\frac{10}{100}$ as a decimal number?

Hundreds	Tens	Ones	•	tenths	hundredths
		0	•		10

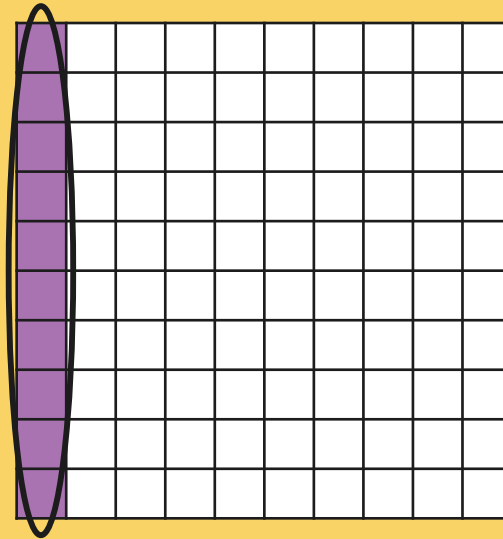


Fractions to Decimals



How would you write $\frac{10}{100}$ as a decimal number?

Hundreds	Tens	Ones	•	tenths	hundredths
		0	•	1	

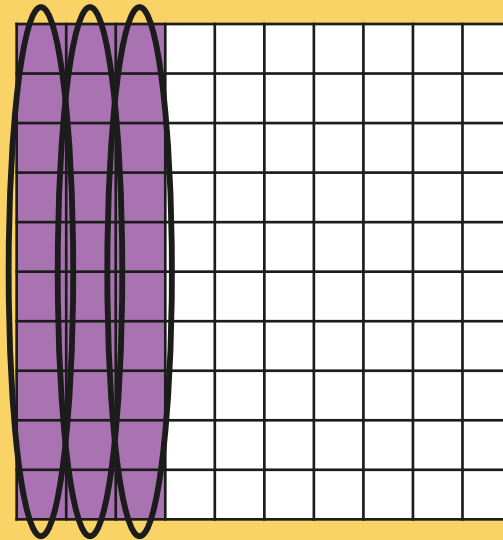


Fractions to Decimals

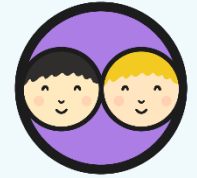


How would you write $\frac{30}{100}$ as a decimal number?

Hundreds	Tens	Ones	•	tenths	hundredths
		0	•		30

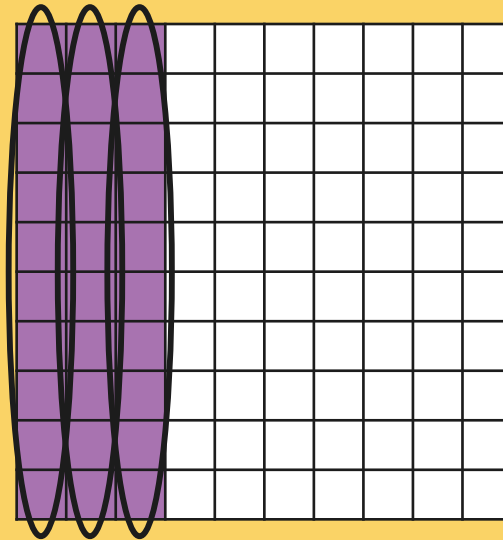


Fractions to Decimals



How would you write $\frac{30}{100}$ as a decimal number?

Hundreds	Tens	Ones	•	tenths	hundredths
		0	•	3	

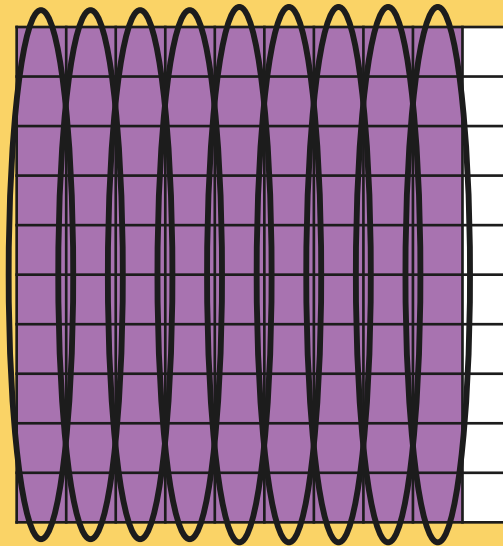


Fractions to Decimals

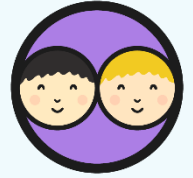


How would you write $\frac{90}{100}$ as a decimal number?

Hundreds	Tens	Ones	•	tenths	hundredths
		0	•		90

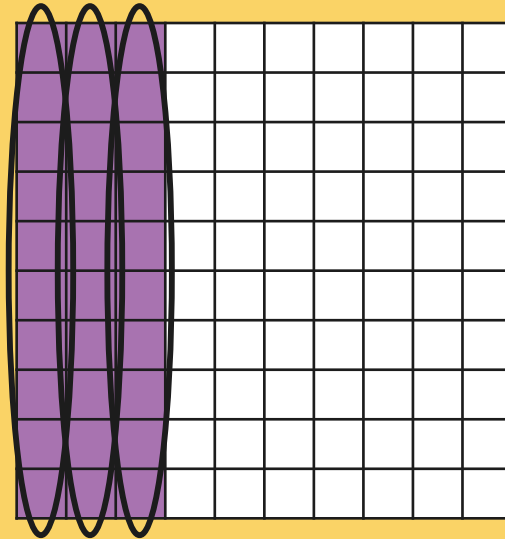


Fractions to Decimals



How would you write $\frac{30}{100}$ as a decimal number?

Hundreds	Tens	Ones	•	tenths	hundredths
		0	•	9	

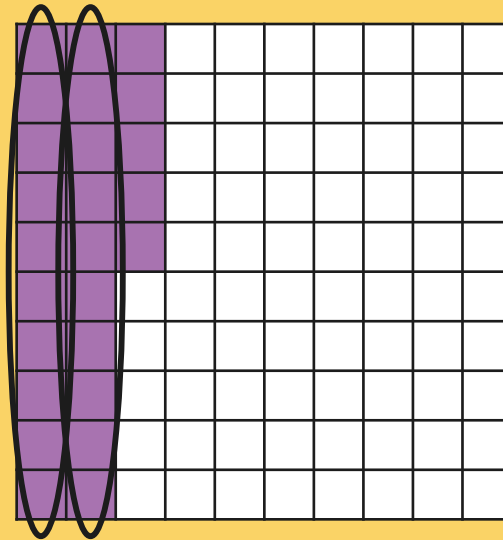


Fractions to Decimals

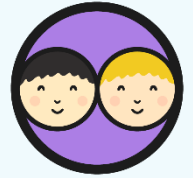


How would you write $\frac{25}{100}$ as a decimal number?

Hundreds	Tens	Ones	•	tenths	hundredths
		0	•		25

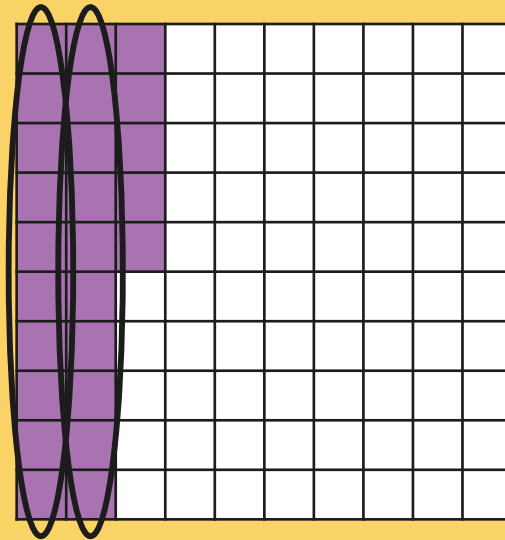


Fractions to Decimals



How would you write $\frac{25}{100}$ as a decimal number?

Hundreds	Tens	Ones	•	tenths	hundredths
		0	•	2	5

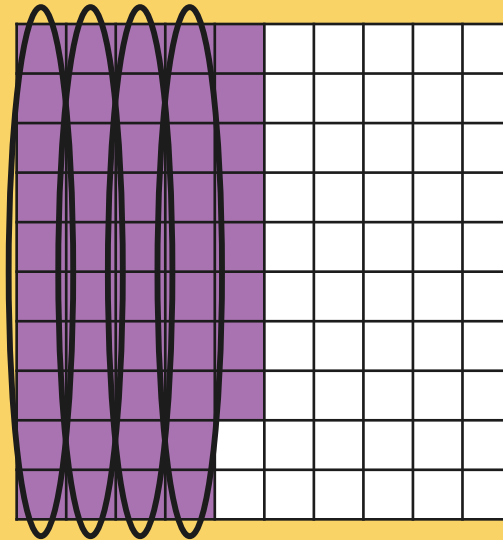


Fractions to Decimals

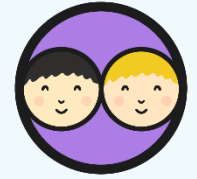


How would you write $\frac{48}{100}$ as a decimal number?

Hundreds	Tens	Ones	•	tenths	hundredths
		0	•		48

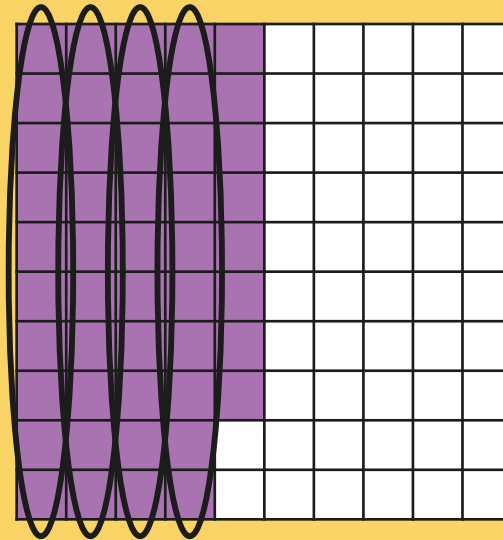


Fractions to Decimals



How would you write $\frac{48}{100}$ as a decimal number?

Hundreds	Tens	Ones	•	tenths	hundredths
		0	•	4	8

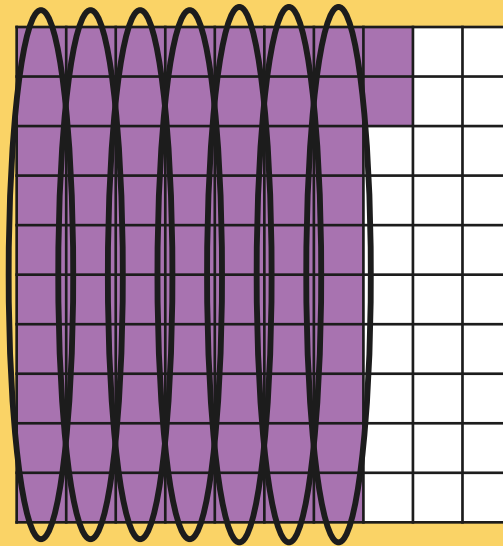


Fractions to Decimals

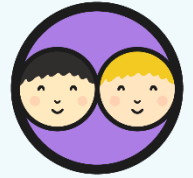


How would you write $\frac{72}{100}$ as a decimal number?

Hundreds	Tens	Ones	•	tenths	hundredths
		0	•		72

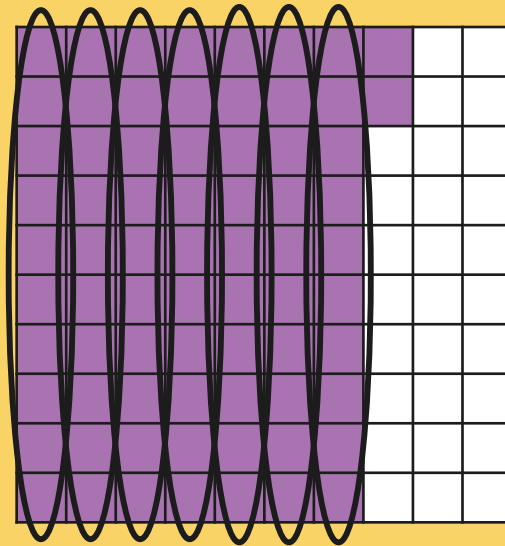


Fractions to Decimals



How would you write $\frac{72}{100}$ as a decimal number?

Hundreds	Tens	Ones	•	tenths	hundredths
		0	•	7	2



Match It



Match the decimal numbers to the equivalent fractions.

0.2

$$\frac{30}{100}$$

0.8

$$\frac{8}{100}$$

0.3

$$\frac{22}{100}$$

0.9

$$\frac{2}{10}$$

0.22

$$\frac{33}{100}$$

0.08

$$\frac{9}{10}$$

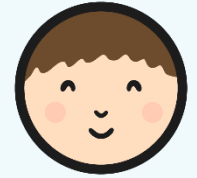
0.33

$$\frac{8}{10}$$

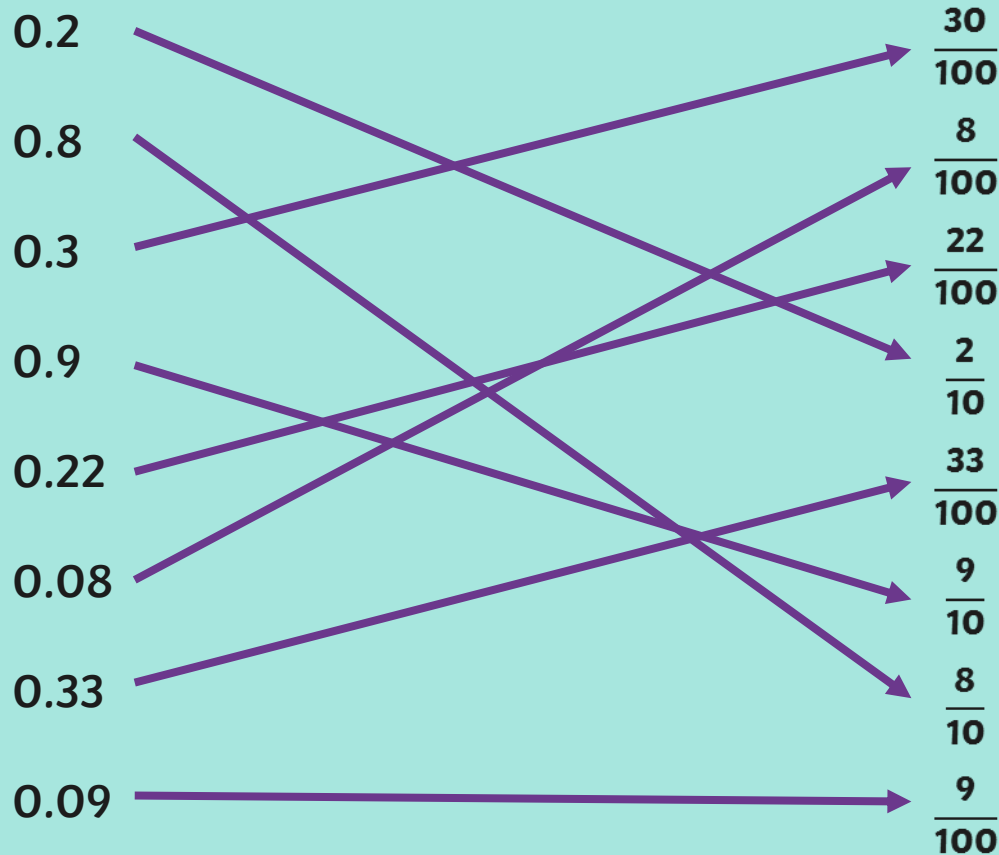
0.09

$$\frac{9}{100}$$

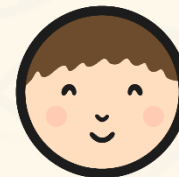
Match It



Match the decimal numbers to the equivalent fractions.



Match It



Complete the equivalent pairs of fractions and decimals.

$$\square = \frac{7}{10}$$

$$0.5 = \frac{\square}{10}$$

$$0.01 = \square$$

$$0.07 = \square$$

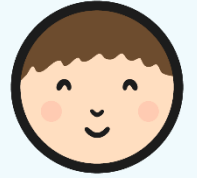
$$\square = \frac{86}{100}$$

$$0.6 = \frac{\square}{100}$$

$$\square = \frac{40}{100}$$

$$\square = \frac{54}{100}$$

Match It



Complete the equivalent pairs of fractions and decimals.

$$\boxed{0.7}$$

$$= \frac{7}{10}$$

$$0.5 =$$

$$\boxed{\frac{5}{10}}$$

$$0.01 =$$

$$\boxed{\frac{1}{100}}$$

$$0.07 =$$

$$\boxed{\frac{7}{100}}$$

$$\boxed{0.86}$$

$$= \frac{86}{100}$$

$$0.6 =$$

$$\boxed{\frac{60}{100}}$$

$$\boxed{0.4}$$

$$= \frac{40}{100}$$

$$\boxed{0.54}$$

$$= \frac{54}{100}$$

Aim



- I can recognise decimal equivalents for tenths and hundredths.

Success Criteria

- I can recognise decimal equivalents for tenths.
- I can recognise decimal equivalents for hundredths.