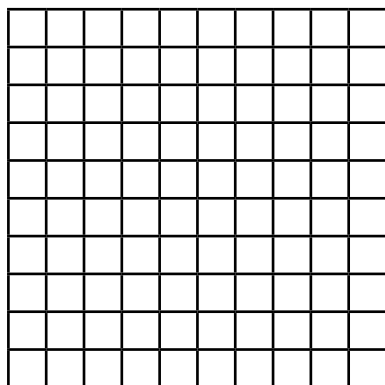




Investigate It

1. What is $\frac{1}{2}$ written as a decimal?



Colour in half of the grid.

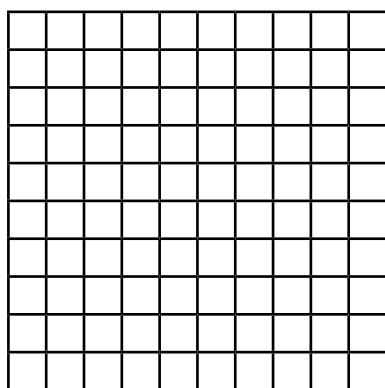
How many hundredths have you coloured in? $\frac{\boxed{}}{100}$

How many tenths have you coloured in? $\frac{\boxed{}}{10}$

Use a place value grid to write the fractions as decimals. $\frac{\boxed{}}{100} = \boxed{}$ $\frac{\boxed{}}{10} = \boxed{}$

Therefore, $\frac{1}{2}$ written as a decimal = $\boxed{}$

2. What is $\frac{1}{4}$ written as a decimal?



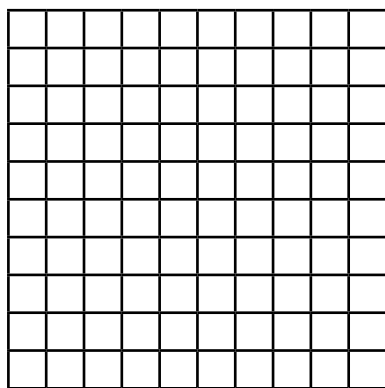
Colour in a quarter of the grid.

How many hundredths have you coloured in? $\frac{\boxed{}}{100}$

Use a place value grid to write the fractions as decimals. $\frac{\boxed{}}{100} = \boxed{}$

Therefore, $\frac{1}{4}$ written as a decimal = $\boxed{}$

3. What is $\frac{3}{4}$ written as a decimal?



Colour in three quarters of the grid.

How many hundredths have you coloured in? $\frac{\boxed{}}{100}$

Use a place value grid to write the fractions as decimals. $\frac{\boxed{}}{100} = \boxed{}$

Therefore, $\frac{3}{4}$ written as a decimal = $\boxed{}$

Explain what you have found out.

I know that $\frac{1}{2} = \boxed{}$ because _____

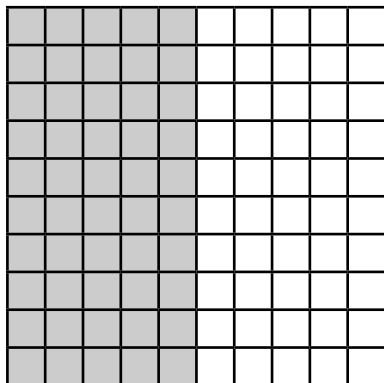
I know that $\frac{1}{4} = \boxed{}$ because _____

I know that $\frac{3}{4} = \boxed{}$ because _____



Investigate It Answers

1. What is $\frac{1}{2}$ written as a decimal?



Colour in half of the grid.

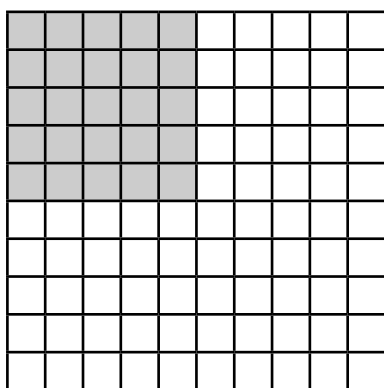
How many hundredths have you coloured in? $\frac{50}{100}$

How many tenths have you coloured in? $\frac{5}{10}$

Use a place value grid to write the fractions as decimals. $\frac{50}{100} = 0.5$ $\frac{5}{10} = 0.5$

Therefore, $\frac{1}{2}$ written as a decimal = **0.5**

2. What is $\frac{1}{4}$ written as a decimal?



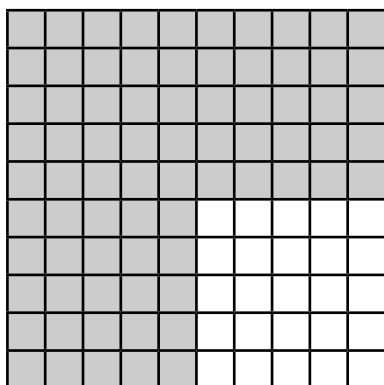
Colour in a quarter of the grid.

How many hundredths have you coloured in? $\frac{25}{100}$

Use a place value grid to write the fractions as decimals. $\frac{25}{100} = 0.25$

Therefore, $\frac{1}{4}$ written as a decimal = **0.25**

3. What is $\frac{3}{4}$ written as a decimal?



Colour in three quarters of the grid.

How many hundredths have you coloured in? $\frac{75}{100}$

Use a place value grid to write the fractions as decimals. $\frac{75}{100} = 0.75$

Therefore, $\frac{3}{4}$ written as a decimal = **0.75**

Explain what you have found out.

I know that $\frac{1}{2} = 0.5$ because answers should refer to $\frac{1}{2}$ being equivalent to $\frac{5}{10}$ and relate this to 0 units and 5 tenths.

I know that $\frac{1}{4} = 0.25$ because answers should refer to $\frac{1}{4}$ being equivalent to $\frac{25}{100}$ and relate this to 0 units, 2 tenths and 5 hundredths.

I know that $\frac{3}{4} = 0.75$ because answers should refer to $\frac{3}{4}$ being equivalent to $\frac{75}{100}$ and relate this to 0 units, 7 tenths and 5 hundredths.



Investigate It

Use the hundreds grid to help you to identify the equivalent decimal numbers for these fractions. Explain how you worked them out.

1. What is $\frac{1}{2}$ written as a decimal?

I know that $\frac{1}{2} =$ because _____

2. What is $\frac{1}{4}$ written as a decimal?

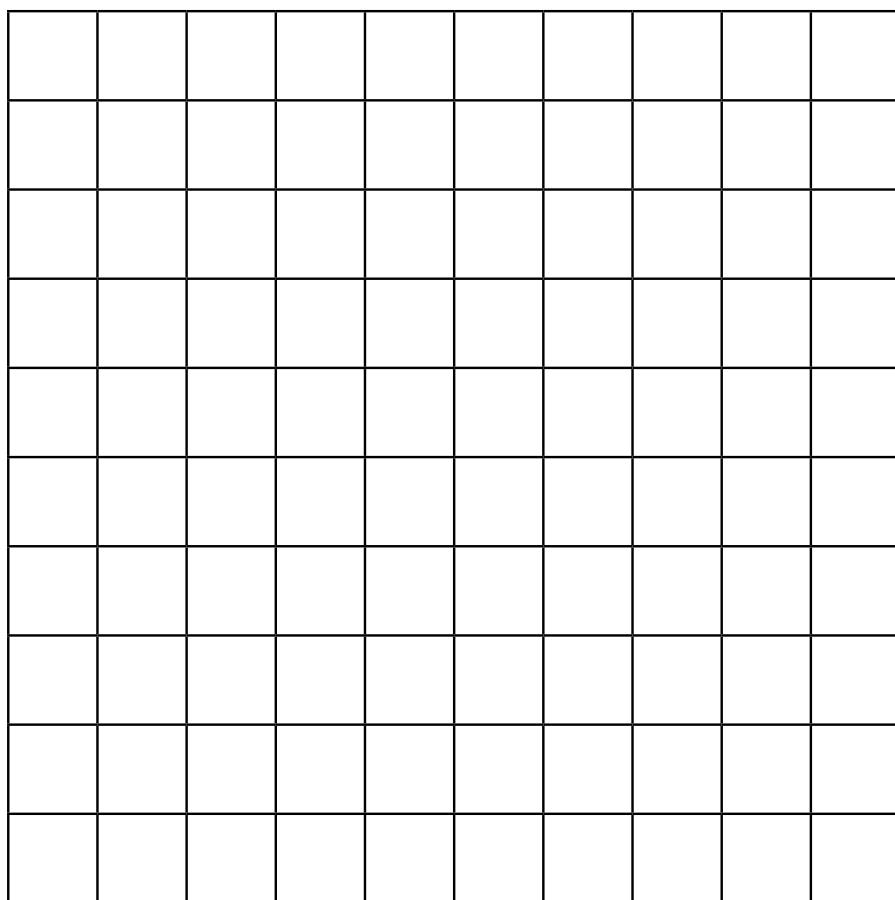
I know that $\frac{1}{4} =$ because _____

3. What is $\frac{3}{4}$ written as a decimal?

I know that $\frac{3}{4} =$ because _____



Investigate It Answers



Use the hundreds grid to help you to identify the equivalent decimal numbers for these fractions. Explain how you worked them out.

1. What is $\frac{1}{2}$ written as a decimal? **50 squares of the hundreds grid coloured in. Calculations or jottings which show that $\frac{1}{2} = \frac{50}{100} = \frac{5}{10} = 0.5$.**

I know that $\frac{1}{2} =$ **0.5** because answers should refer to $\frac{1}{2}$ being equivalent to $\frac{5}{10}$ and relate this to 0 units and 5 tenths.

2. What is $\frac{1}{4}$ written as a decimal? **25 squares of the hundreds grid coloured in. Calculations or jottings which show that $\frac{1}{4} = \frac{25}{100} = 0.25$.**

I know that $\frac{1}{4} =$ **0.25** because answers should refer to $\frac{1}{4}$ being equivalent to $\frac{25}{100}$ and relate this to 0 units, 2 tenths and 5 hundredths.

3. What is $\frac{3}{4}$ written as a decimal? **75 squares of the hundreds grid coloured in. Calculations or jottings which show that $\frac{3}{4} = \frac{75}{100} = 0.75$.**

I know that $\frac{3}{4} =$ **0.75** because answers should refer to $\frac{3}{4}$ being equivalent to $\frac{75}{100}$ and relate this to 0 units, 7 tenths and 5 hundredths.