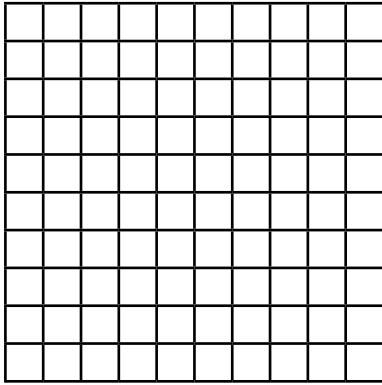




# Investigate It

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



Colour in half of the grid.

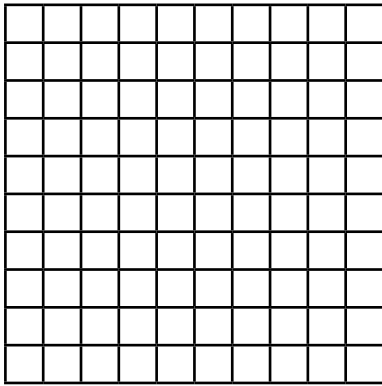
How many hundredths have you coloured in?  $\frac{\square}{100}$

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

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

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

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



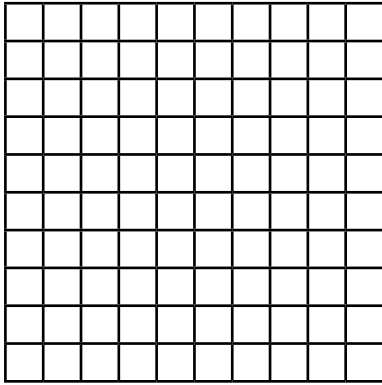
Colour in a quarter of the grid.

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

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

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

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



Colour in three quarters of the grid.

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

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

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

Explain what you have found out.

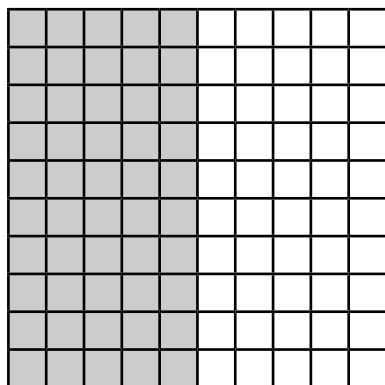
I know that  $\frac{1}{2} = \square$  because \_\_\_\_\_

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

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

# Investigate It Answers

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



Colour in half of the grid.

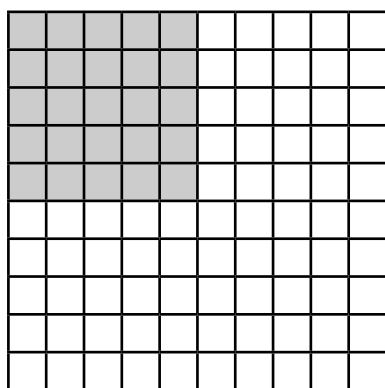
How many hundredths have you coloured in?  $\frac{50}{100}$

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?



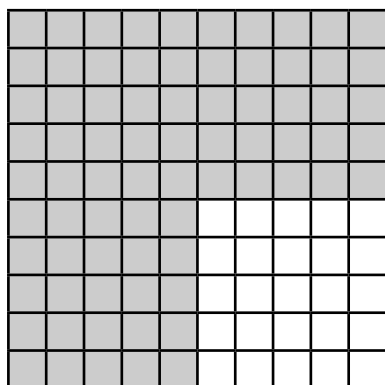
Colour in a quarter of the grid.

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  $\frac{1}{2} = \square$  because \_\_\_\_\_  
\_\_\_\_\_

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

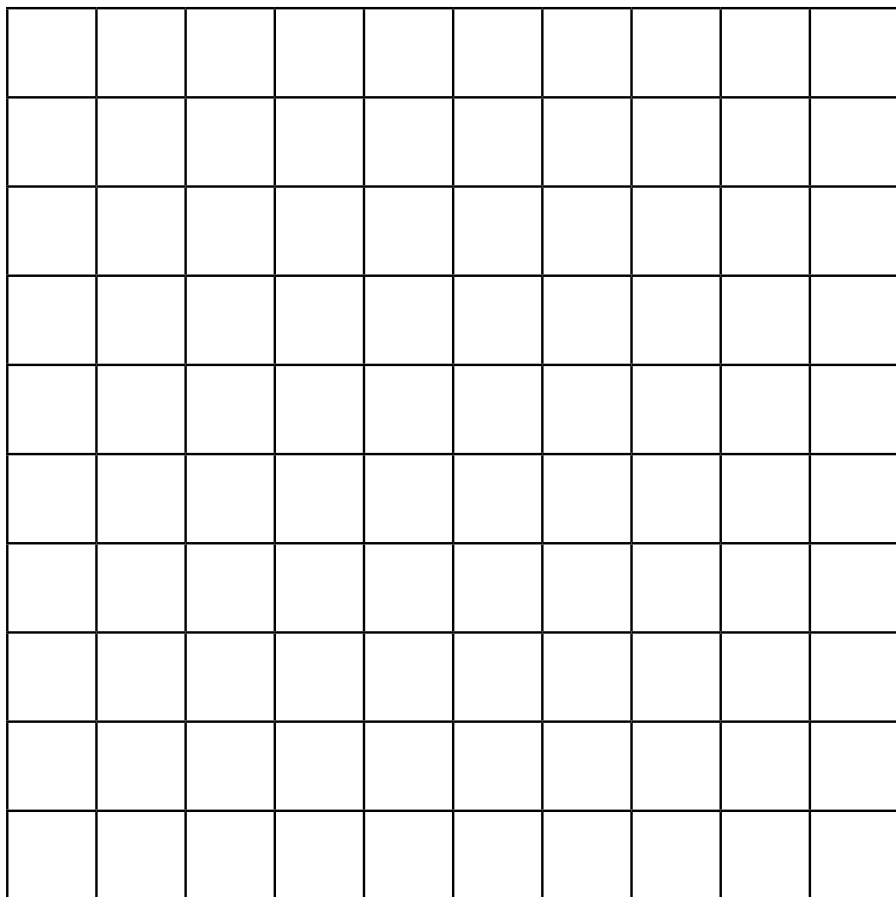
I know that  $\frac{1}{4} = \square$  because \_\_\_\_\_  
\_\_\_\_\_

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

I know that  $\frac{3}{4} = \square$  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.

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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.

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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.

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