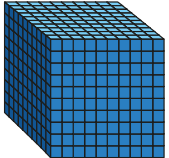


Understand thousandths



1 Tommy is using base 10 to represent decimals.

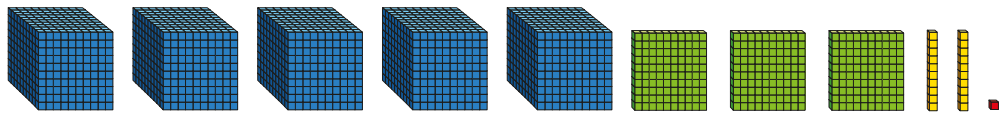
He uses  to represent 1 whole.

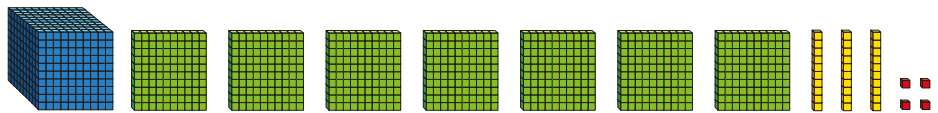
He uses  to represent $\frac{1}{10}$ or 0.1

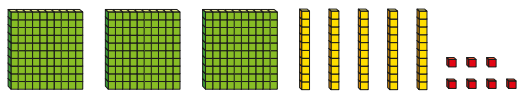
He uses  to represent $\frac{1}{100}$ or 0.01

He uses  to represent $\frac{1}{1000}$ or 0.001

What decimals are represented?

a) 

b) 

c) 

2 a) Represent each number using base 10

0.512

1.352

2.003

b) Use your representations to help you complete the statements.

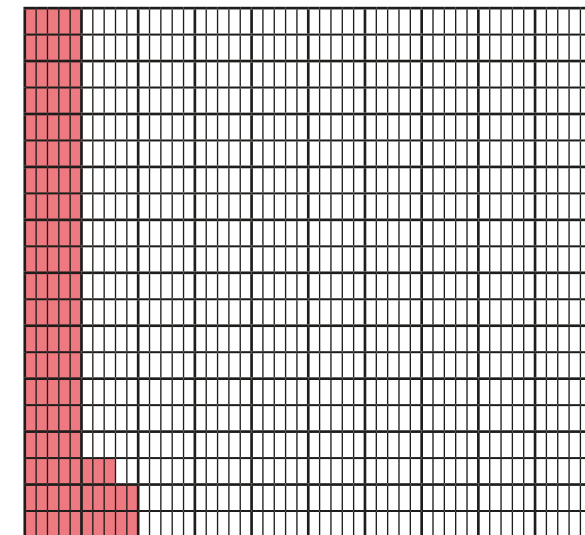
$$0.512 = 0.5 + 0.01 + \boxed{}$$

$$1.352 = 1 + \boxed{} + \boxed{} + \boxed{}$$

$$2.003 = \underline{\hspace{2cm}}$$

3 Here is a thousand square.

Part of the square has been coloured.



a) Why do you think it is called a thousand square?

b) What fraction of the square has been coloured?

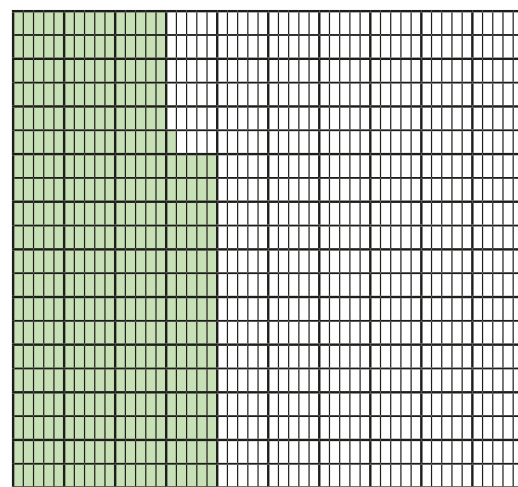
$\frac{\boxed{}}{1000}$

c) Write the fraction as a decimal.

- 4 What fraction of each square has been shaded?

Write each number as a fraction and as a decimal.

a)



fraction =

decimal =

b)

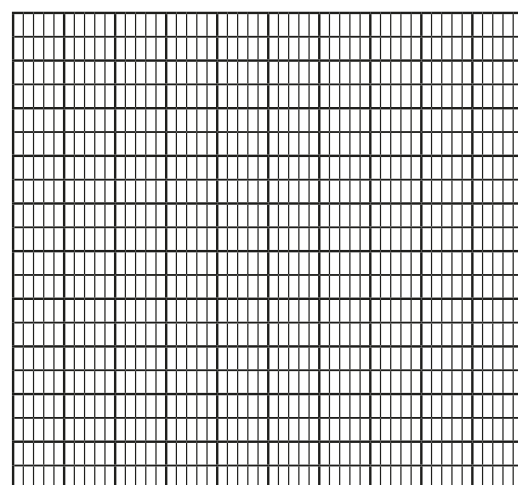


fraction =

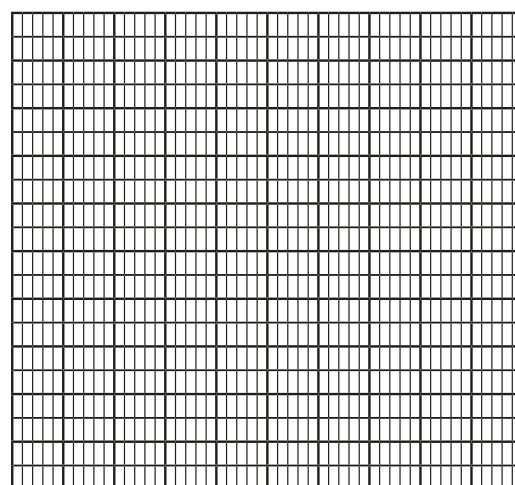
decimal =

- 5 Colour the grids to represent the fraction and decimal.

a) $\frac{73}{1000}$



b) 0.302



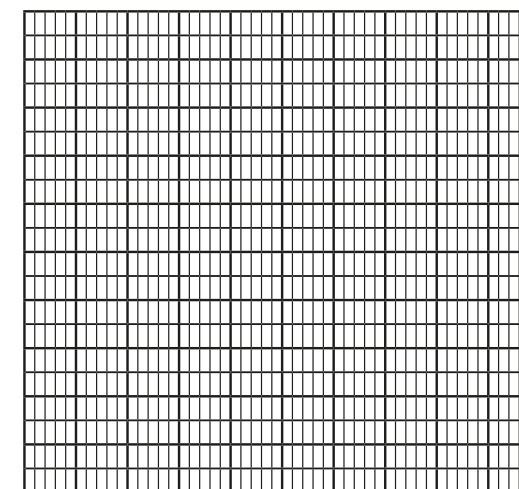
- 6 Represent these numbers on a place value chart.

a) 1.372

b) 0.091

c) 3.542

- 7 Show that $\frac{400}{1000}$ is the same as 0.4



- 8 Write the numbers represented by the place value charts.

a)

Ones	Tenths	Hundredths	Thousandths
<div>1</div> <div>1</div> <div>1</div> <div>1</div>	<div>0.1</div> <div>0.1</div>	<div>0.01</div> <div>0.01</div> <div>0.01</div> <div>0.01</div> <div>0.01</div> <div>0.01</div>	<div>0.001</div> <div>0.001</div> <div>0.001</div> <div>0.001</div> <div>0.001</div> <div>0.001</div>

b)

Ones	Tenths	Hundredths	Thousandths
	<div>0.1</div> <div>0.1</div> <div>0.1</div> <div>0.1</div> <div>0.1</div>		<div>0.001</div> <div>0.001</div> <div>0.001</div> <div>0.001</div>

