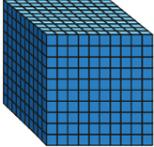
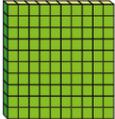


Understand thousandths



1 Tommy is using base 10 to represent decimals.

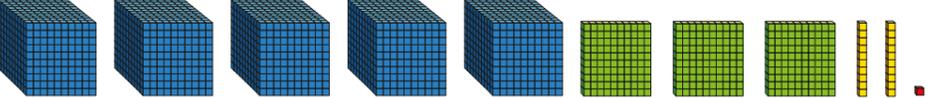
He uses  to represent 1 whole.

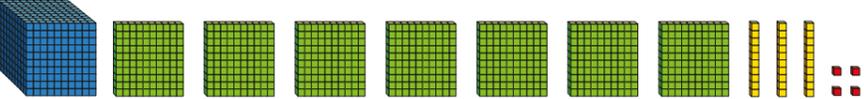
He uses  to represent $\frac{1}{10}$ or 0.1

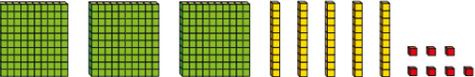
He uses  to represent $\frac{1}{100}$ or 0.01

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.

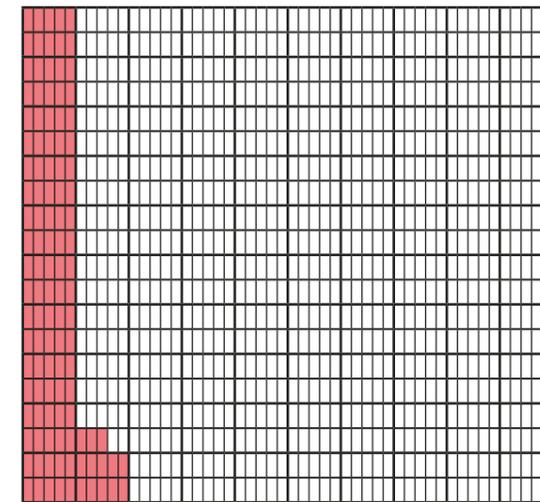
$$0.512 = 0.5 + 0.01 + \boxed{}$$

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

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

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?

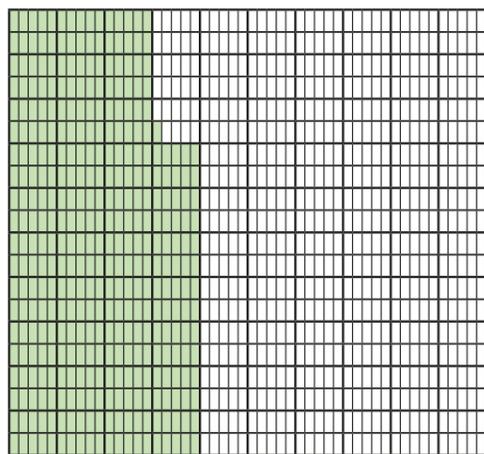
$$\frac{\boxed{}}{1000}$$

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.

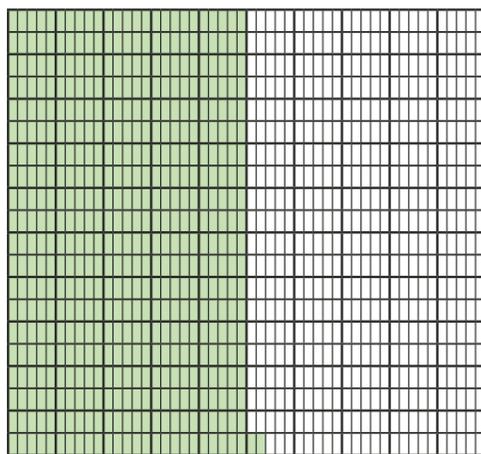
a)



fraction =

decimal =

b)

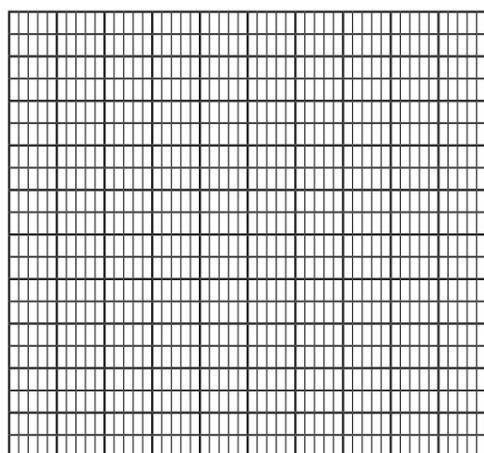


fraction =

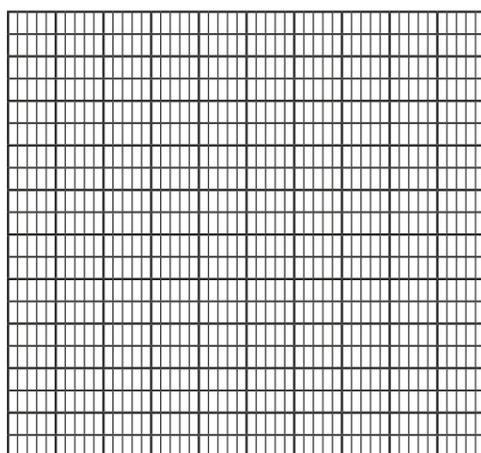
decimal =

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

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



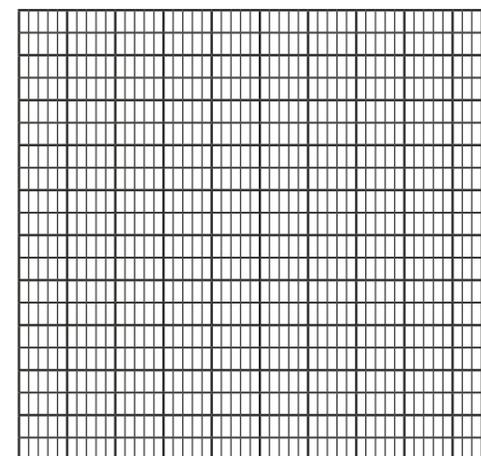
b) 0.302



- 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 style="display: flex; justify-content: space-around;"> 1 1 1 </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> 1 </div>	<div style="display: flex; justify-content: space-around;"> 0.1 0.1 </div>	<div style="display: flex; justify-content: space-around;"> 0.01 0.01 0.01 0.01 </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> 0.01 0.01 0.01 </div>	<div style="display: flex; justify-content: space-around;"> 0.001 0.001 0.001 </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> 0.001 0.001 0.001 </div>

b)

Ones	Tenths	Hundredths	Thousandths
	<div style="display: flex; justify-content: space-around;"> 0.1 0.1 0.1 </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> 0.1 0.1 </div>		<div style="display: flex; justify-content: space-around;"> 0.001 0.001 </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> 0.001 0.001 </div>

