

10.03.21

Pre teach

What is a decimal number?

T	O	Tth	Hth
	1	5	

A decimal is a way of writing a number that is not whole



1.5 kg Flour = One kg
Flour + Half Kg flour

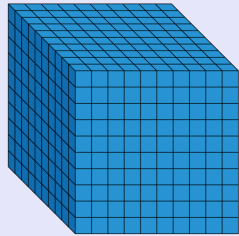
Less than a whole.

09.03.21

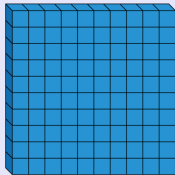
L.O: To read and write decimals

Understanding thousandths

I do



$$= 1 \text{ whole} \quad (1000 \div 1 = 1000)$$



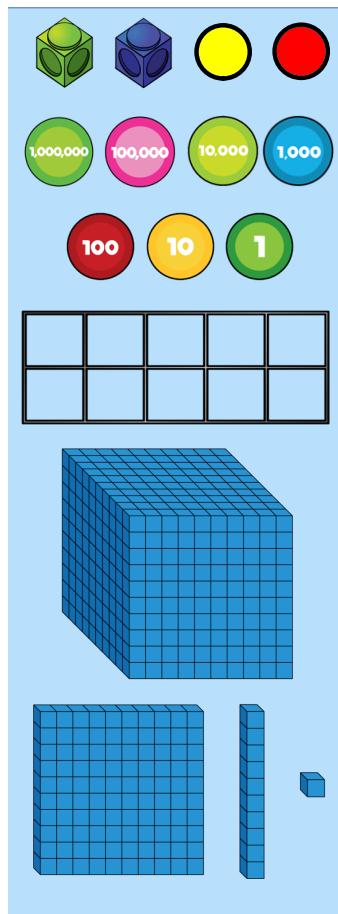
$$= \frac{1}{10} = 0.1 \quad (1000 \div 10 = 100)$$



$$= \frac{1}{100} = 0.01 \quad (1000 \div 100 = 10)$$

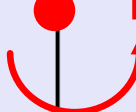


$$= \frac{1}{1000} = 0.001 \quad (1000 \div 1000 = 1)$$



$+$ $-$ $\div$ $\times$
 $>$ $<$ $=$

Place Value Grid

H	T	O ● t	h	th
		$1 \cdot 1$ 		
		$1 \cdot 0 \cdot 1$ 		
		$1 \cdot 0 \cdot 0 \cdot 1$ 		

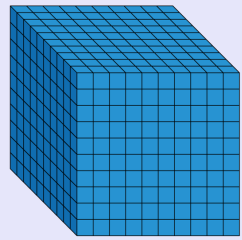
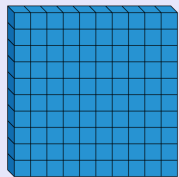
Calculation

$1 \div 10 = 0.1$

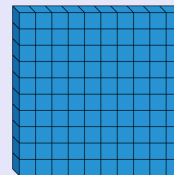
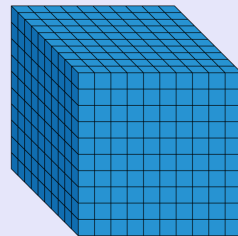
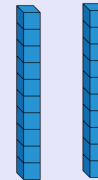
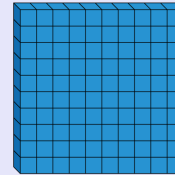
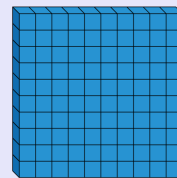
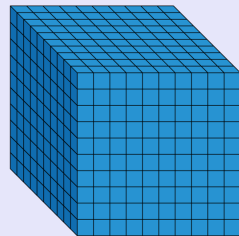
$1 \div 100 = 0.01$

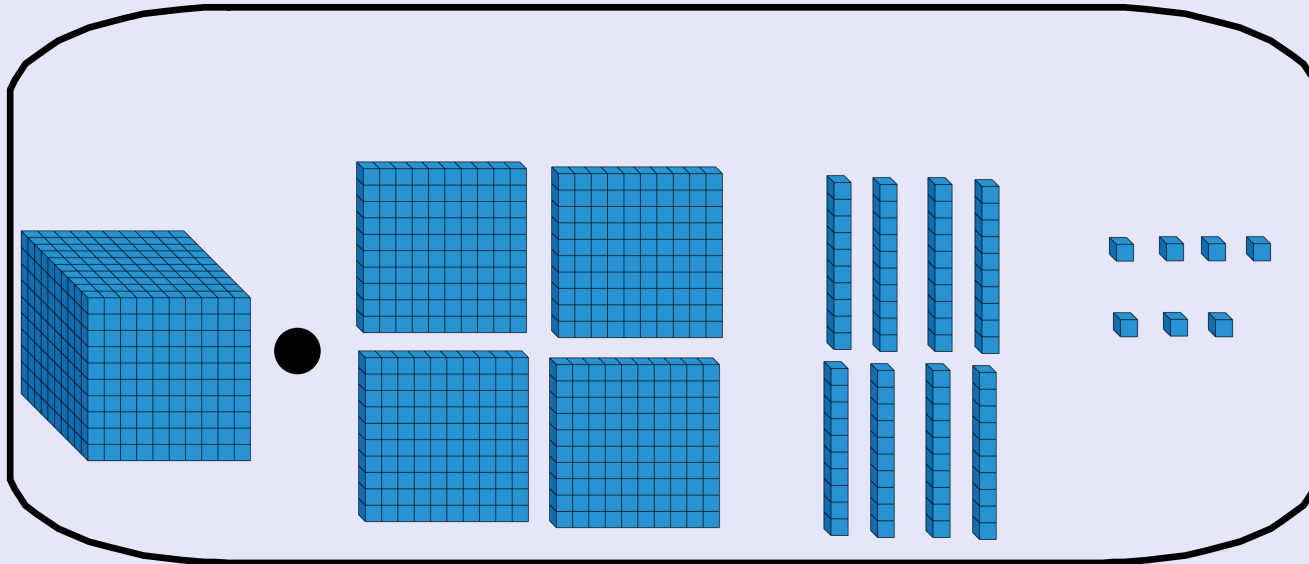
$1 \div 1000 = 0.001$

NOTES

 $= 1$  $= 0.1$  $= 0.01$  $= 0.001$ *I do*

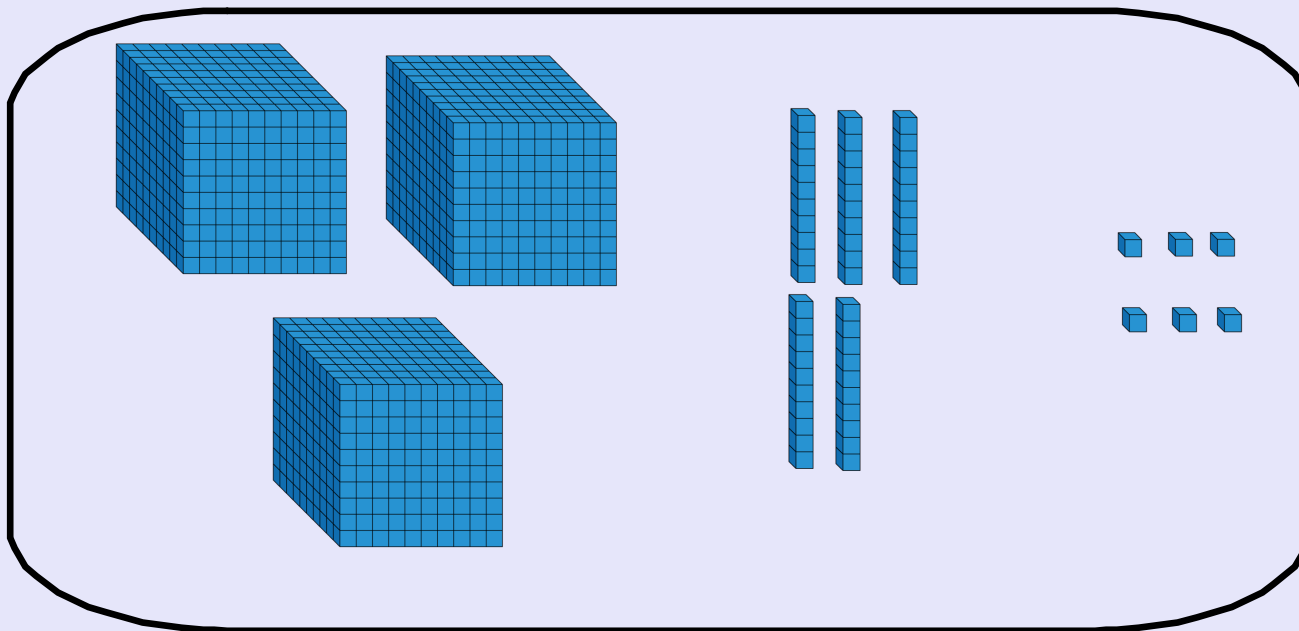
$$2 + 0.3 + 0.02 + 0.004$$

 $=$ 



We do

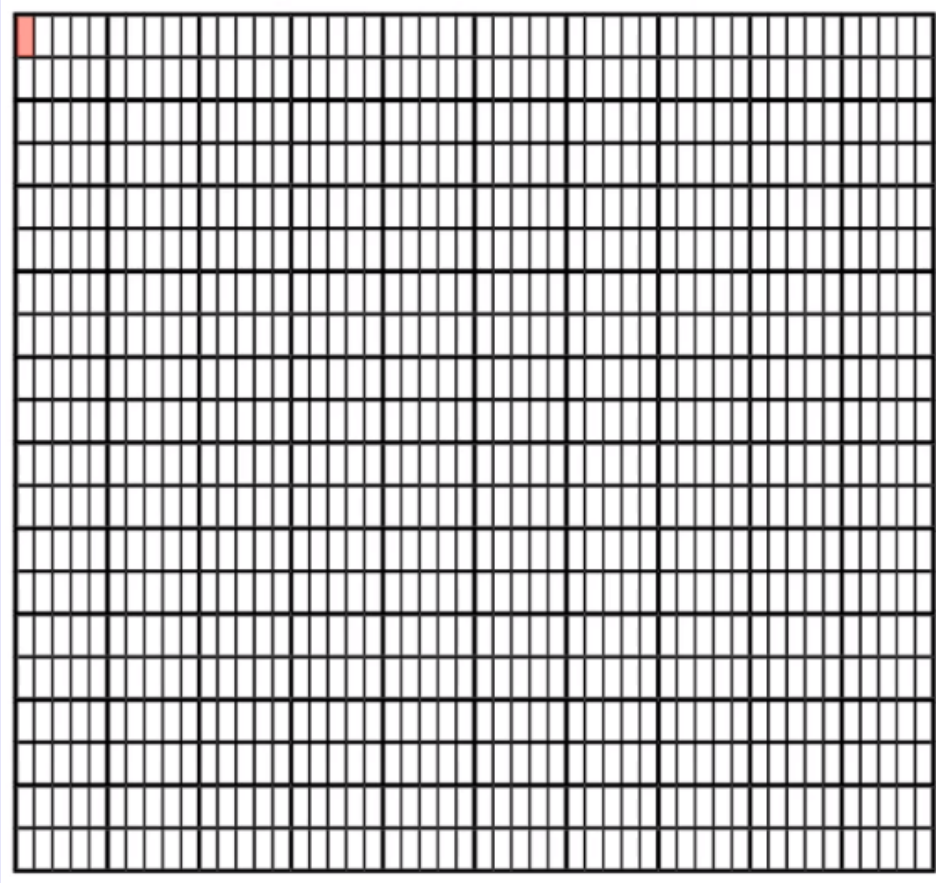
=



=

What fraction is shaded in
this 1000 square

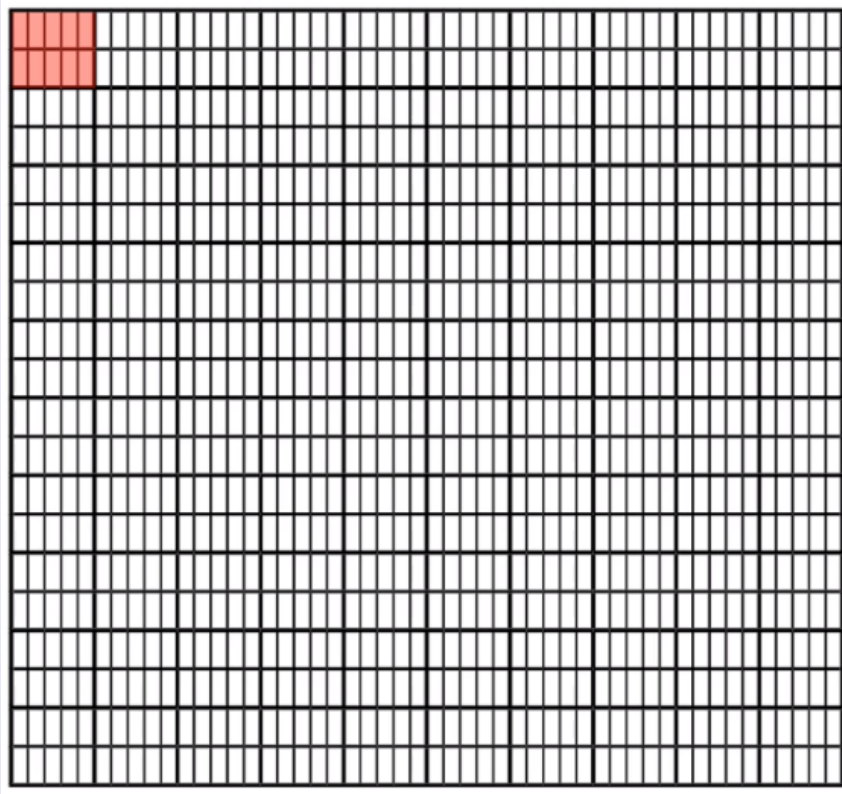
I do



$$\frac{1}{1000} = 0.001$$

What fraction is shaded in
this 1000 square

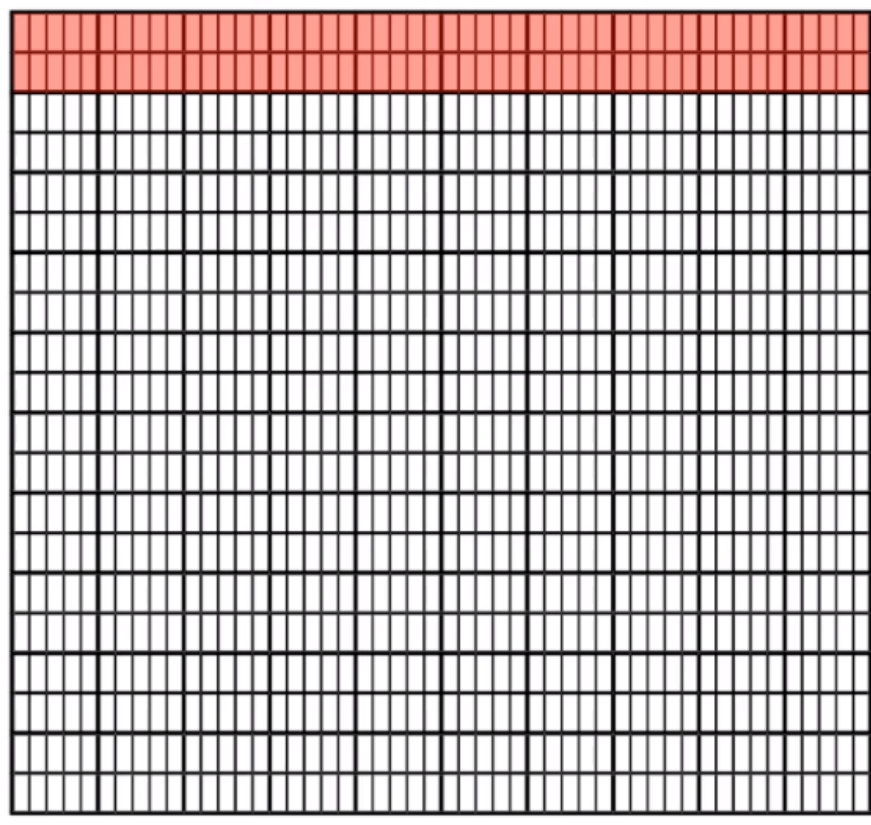
I do



$$\frac{10}{1000} = \frac{1}{100} = 0.01$$

What fraction is shaded in
this 1000 square

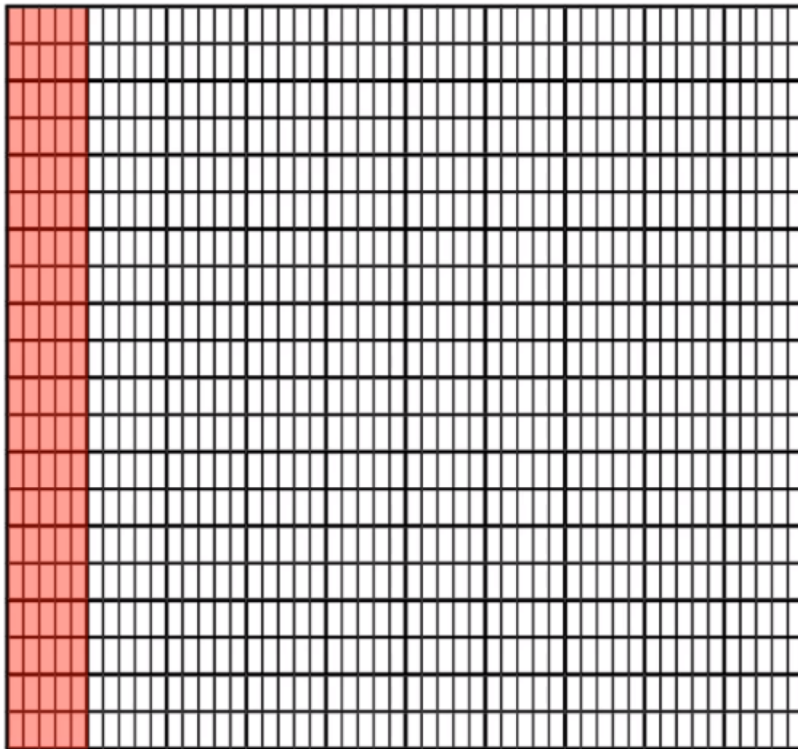
I do



$$\frac{100}{1000} = \frac{1}{10} = 0.1$$

What fraction is shaded in
this 1000 square

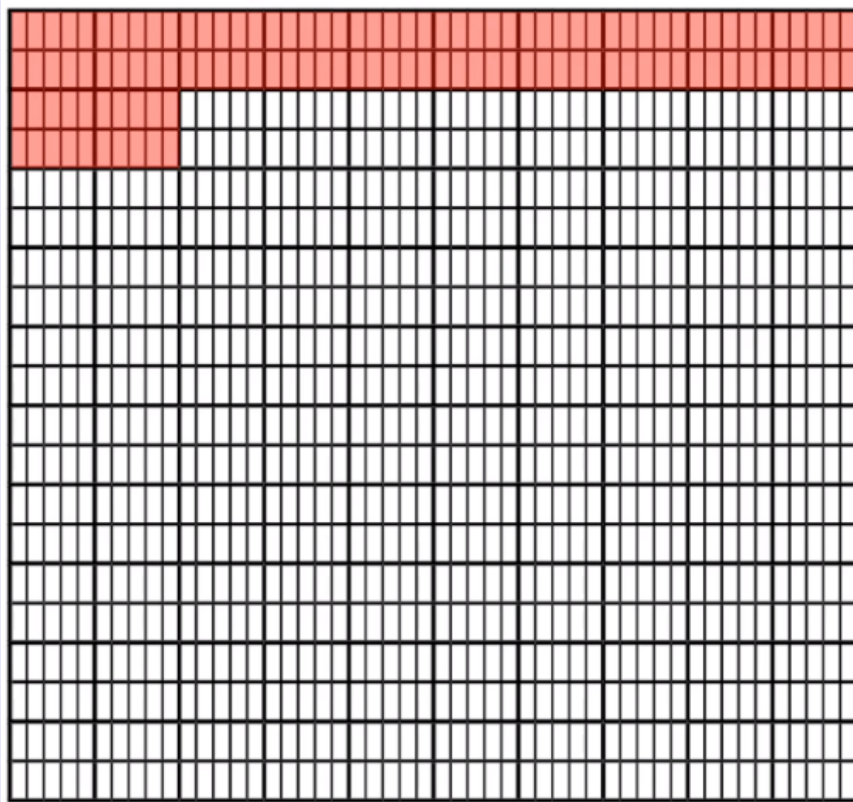
I do



$$\frac{100}{1000} = \frac{1}{10} = 0.1$$

What fraction is shaded in
this 1000 square

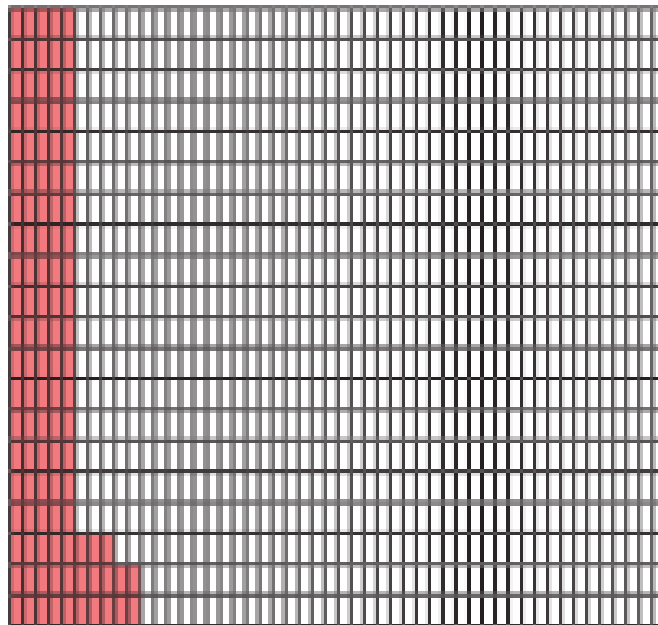
I Do



We do

Here is a thousand square.

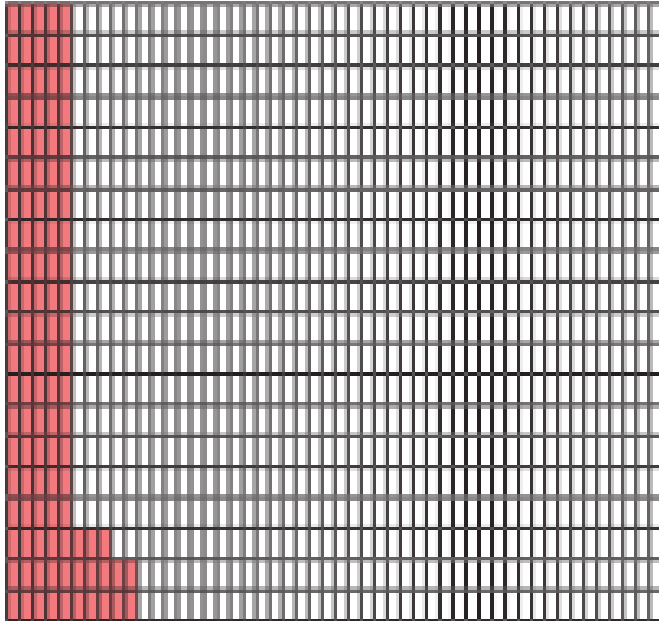
Part of the square has been coloured.



- a) Why do you think it is called a thousand square?
- b) What fraction of the square has been coloured?
- c) Write the fraction as a decimal.

Here is a thousand square.

Part of the square has been coloured.



We do

- a) Why do you think it is called a thousand square?
- b) What fraction of the square has been coloured?
- c) Write the fraction as a decimal.

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

It's split into a thousand parts.

- b) What fraction of the square has been coloured?

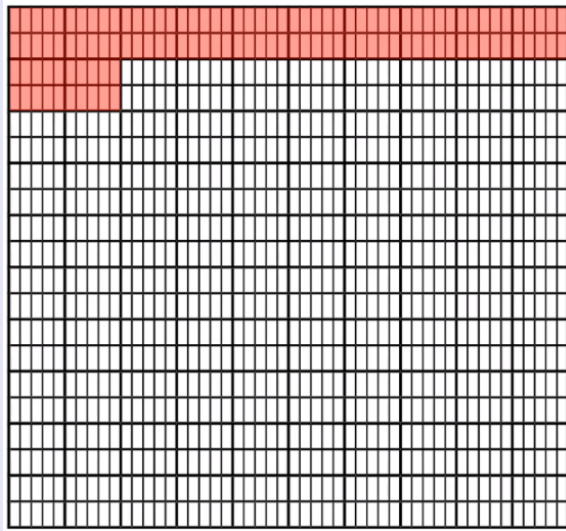
$\frac{13}{100}$

- c) Write the fraction as a decimal.

0.13

What fraction of the 1000 square
is shaded

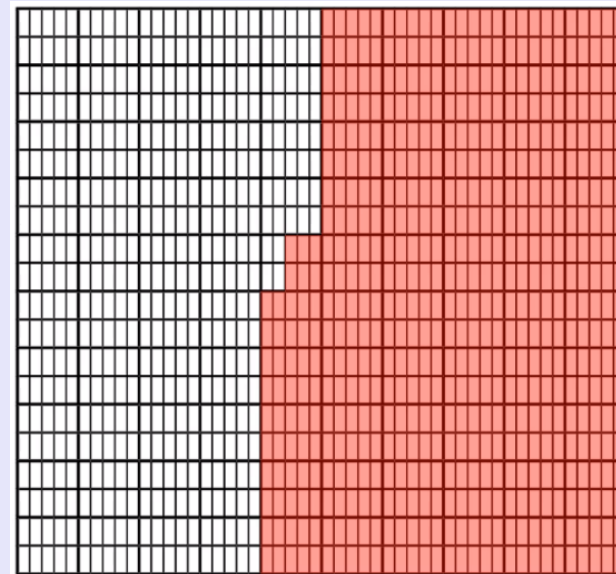
We do



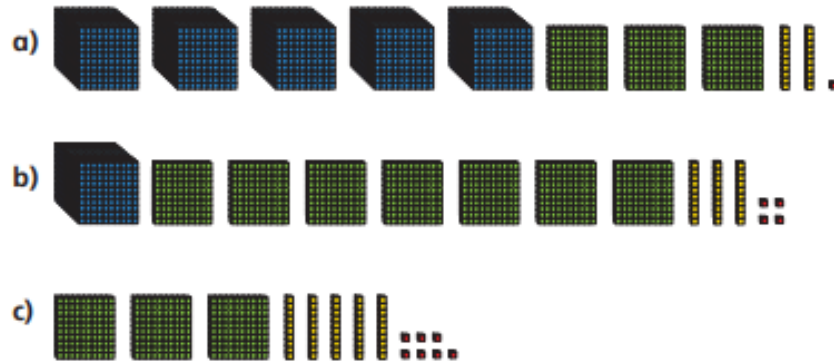
=



=



What decimals are represented?



You Do

Write the numbers represented by the place value charts.

a)

Ones	Tenths	Hundredths	Thousandths
1 1 1 1	0.1 0.1	0.01 0.01 0.01 0.01 0.01 0.01 0.01	0.001 0.001 0.001 0.001 0.001 0.001

b)

Ones	Tenths	Hundredths	Thousandths
	0.1 0.1 0.1 0.1 0.1		0.001 0.001 0.001 0.001

Use your representations to help you complete the statements.

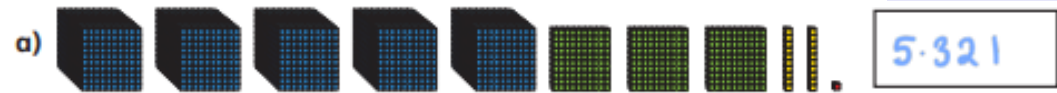
$$0.512 = 0.5 + 0.01 + \boxed{}$$

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

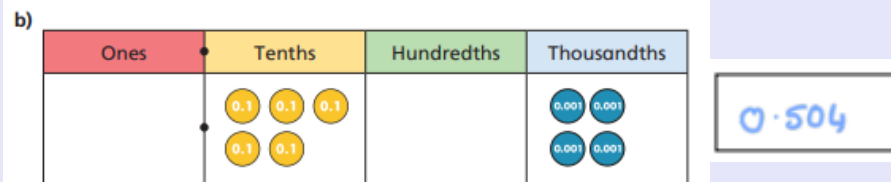
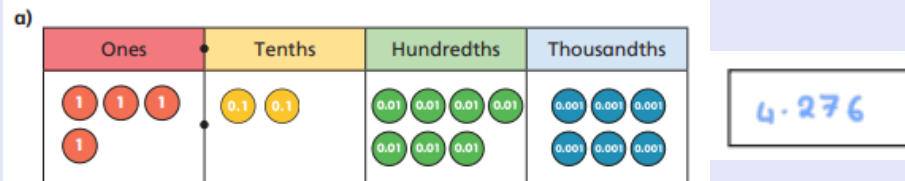
$$2.003 = \underline{\hspace{2cm}}$$

You Do

What decimals are represented?



Write the numbers represented by the place value charts.



Use your representations to help you complete the state

$$0.512 = 0.5 + 0.01 + 0.002$$

$$1.352 = 1 + 0.3 + 0.05 + 0.002$$

$$2.003 = 2 + 0.003$$

You Do