Maths

Tommy is using base 10 to represent decimals．

to represent 1 whole．

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

He uses 月 to represent $\frac{1}{100}$ or $0.01 ~_{\text {目 }}$
He uses to represent $\frac{1}{1000}$ or 0.001

What decimals are represented？

## ＂DRD日 rail． <br>  <br> or 11111.

a）Represent each number using base 10
b）Use your representations to help you complete the statements．

$2.003=$ $\qquad$

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．

4．What fraction of each grid has been shaded？
Write each number as a fraction and as a decimal．
a）

b）

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

$2.003=$ $\qquad$
(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?
c) Write the fraction as a decimal.
4. What fraction of each grid has been shaded?

Write each number as a fraction and as a decimal.
a)

b)


Colour thousand grids to represent the fraction and decimal.
a) $\frac{73}{1000}$
b) 0.302
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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 |
| :---: | :---: | :---: | :---: |
| 0 |  | 0.0 | 0.0 |

b)


