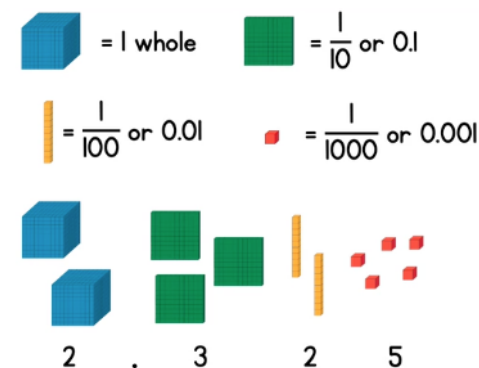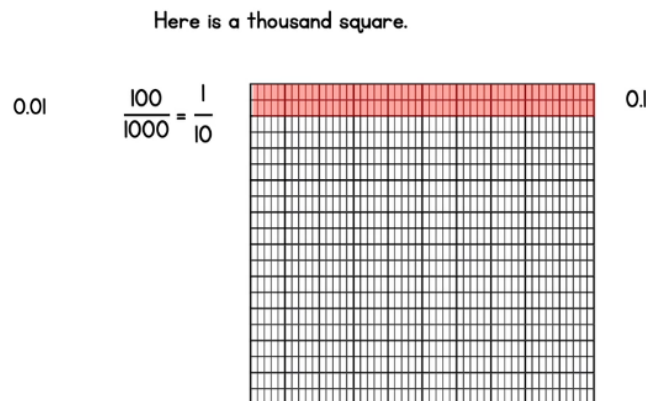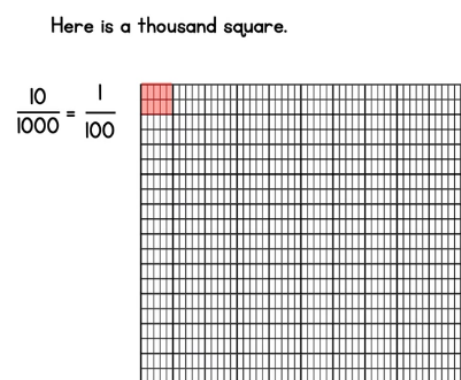**Year 5 Maths**

Steppingstone activity

Week 3 Lesson 4 – 23.04.20

LO: To recognise and understand thousandths

Success Criteria:

1. Look at the number given and say it out loud.
2. Decide how many wholes you have.
3. Now decide how many tenths you have.
4. Next look at the hundredths.
5. Finally decide how many thousandths you have.

Model

Here is a thousand square.

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

Here is a thousand square.

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

= 1 whole   = $\frac{1}{10}$ or 0.1

= $\frac{1}{100}$ or 0.01   = $\frac{1}{1000}$ or 0.001

2 . 3 2 5

Now you try these:

What decimals are represented?

a)

5.32

b)

1.734

c)

0.357

Now represent each of these numbers using base 10:

0.512   1.352   2.003

Year 5 Maths

Week 3 Lesson 4 – 23.04.20
LO: To recognise and understand thousandths
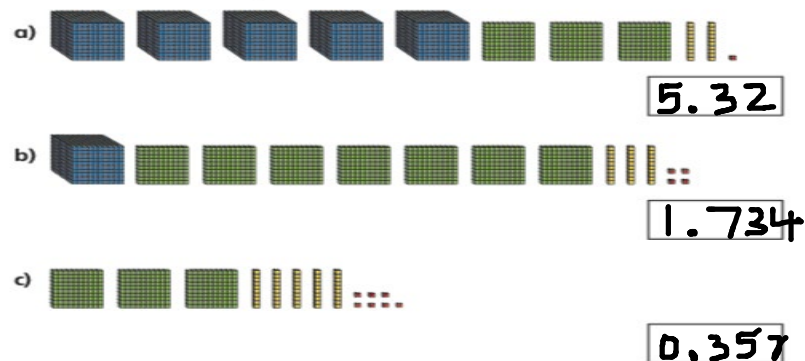**Success Criteria:**

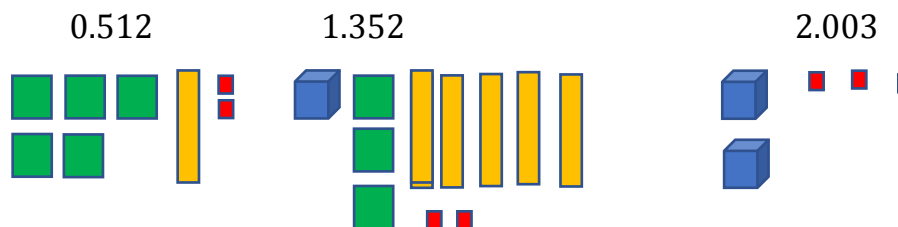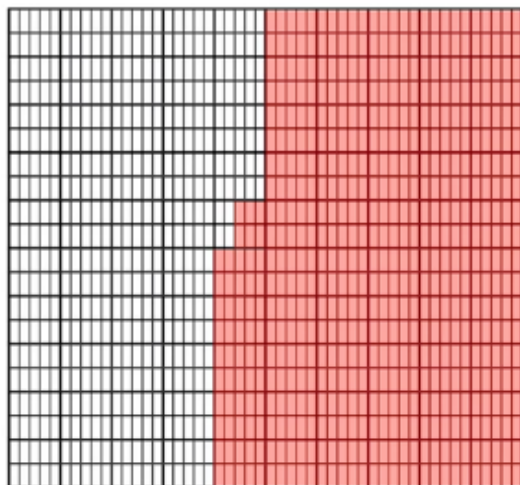| |
|---|
| 1. Look at the number given and say it out loud. |
| 2. Decide how many wholes you have. |
| 3. Now decide how many tenths you have. |
| 4. Next look at the hundredths. |
| 5. Finally decide how many thousandths you have. |

You are going to practise working with thousandths!

Model:

What fraction of the square has been shaded?

Write this fraction as a decimal.

$\frac{556}{1000} = 0.556$

The number is __1.448__.

We can write this number as $1.448 = 1 + 0.4 + 0.04 + 0.008$

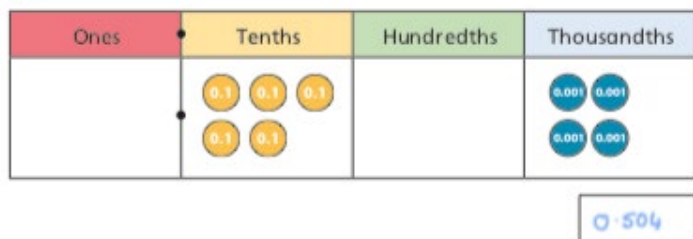Mo wants to represent the number 4.013 on the place value grid.

Ones		Tenths	Hundredths	Thousandths
1 1			0.01	0.001 0.001
1 1				0.001
4		0	1	3

Write the numbers represented by the place value charts.

a)

Ones	Tenths	Hundredths	Thousandths

4.276

b)

Ones	Tenths	Hundredths	Thousandths

0.504

0.394

= 3 tenths, 9 hundredths and 4 thousandths

$= \frac{3}{10} + \frac{9}{100} + \frac{4}{1000}$

= 0.3 + 0.09 + 0.004

Write these numbers in three different ways:

0.472   0.529   0.307

0.472 = 4 tenths, seven hundredths and 2 thousandths

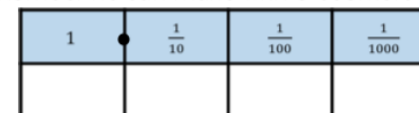$= \frac{4}{10} + \frac{7}{100} + \frac{2}{1000}$

= 0.4 + 0.07 + 0.002

0.529 = 5 tenths, two hundredths and 9 thousandths

$= \frac{5}{10} + \frac{2}{100} + \frac{9}{1000}$ = 0.5 + 0.02 + 0.009

0.307 = 3 tenths and 7 thousandths

$= \frac{3}{10} + \frac{7}{1000}$ = 0.3 + 0.007

Ron has 8 counters. He makes numbers using the place value chart.
At least 3 columns have counters in. What is the largest and the smallest number he can make with 8 counters?

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

Can you record the numbers in different ways?

In this problem symbols have been used to represent two different numbers. Write down the value of each, as a mixed number and as a decimal.

$\bigcirc = 1$ $\star = \frac{1}{10}$ $\triangle = \frac{1}{100}$ $\pentagon = \frac{1}{1000}$

Smallest: 0.116
Largest: 6.11

1.431

2.322

Represent these numbers on a place value chart.

a) 1.372   b) 0.091   c) 3.542