

Pasteur and Cylinders

L.O. Recognise fraction and decimal equivalents, up to 3 dp (thousandths). Pasteur Cylinders Remember to/that:	What I think	What my teacher thinks
Whole numbers are written to the left of the decimal point.	☐	☐
Decimal fractions are written to the right of the decimal point.	☐	☐
One whole = 10 tenths, 100 hundredths, 1000 thousandths.	☐	☐
One tenth = 10 hundredths.	☐	☐
One hundredth = 10 thousandths	☐	☐
Do me first. $24 \times 4 =$ $32 \times 3 =$ $18 \times 4 =$		

 = 1 whole
  = 1 tenth
  = 1 hundredth
  = 1 thousandth

Sketch Base 10 to build:

- 4 wholes, 4 tenths, 4 hundredths, 4 thousandths
- 5 tenths, 7 hundredths and 5 thousandths
- 2.357

Use the place value chart and counters to represent these numbers.

Write down the numbers as a decimal.

a)



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

b) 4 ones, 6 tenths, 0 hundredths and 2 thousandths

c) $3 \frac{34}{1000}$

When you have completed these, have a go at the extension task.

Understanding Thousandths

Tuesday 12th May 2020

Curie and Pyramids

Descartes and Spheres

L.O. Recognise fraction and decimal equivalents, up to 3 dp (thousandths). Curie Pyramids Descartes Spheres Remember to/that:	What I think	What my teacher thinks
Whole numbers are written to the left of the decimal point.	☐	☐
Decimal fractions are written to the right of the decimal point.	☐	☐
One whole = 10 tenths, 100 hundredths, 1000 thousandths.	☐	☐
One tenth = 10 hundredths.	☐	☐
One hundredth = 10 thousandths	☐	☐
Do me first.		
24 x 14 = 336	32 x 23 = 736	18 x 34 = 612

The rest is tenths and addition but it won't fit

0.472:

472

— —

1000

0.529

529

— —

1000

0.307

307

— — —

1000

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

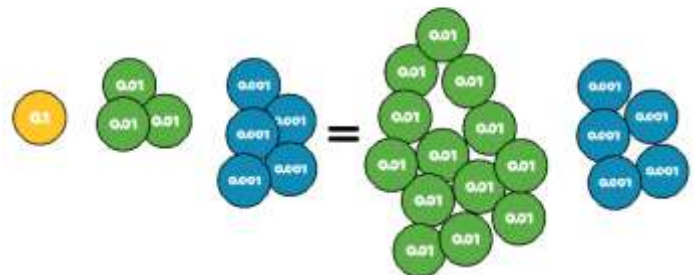
Write the four decimals in order from smallest to largest.

0.529,

0.472

0.307

Rosie thinks the 2 values are equal.



Do you agree? I agree

Explain your thinking.

We can swap/
exchange a ten
hundredth counter
one a one tenth

Can you write this amount as a decimal
and as a fraction?

$$0.135 =$$

135

— —

1000

When you have completed these, have a go at the extension task.

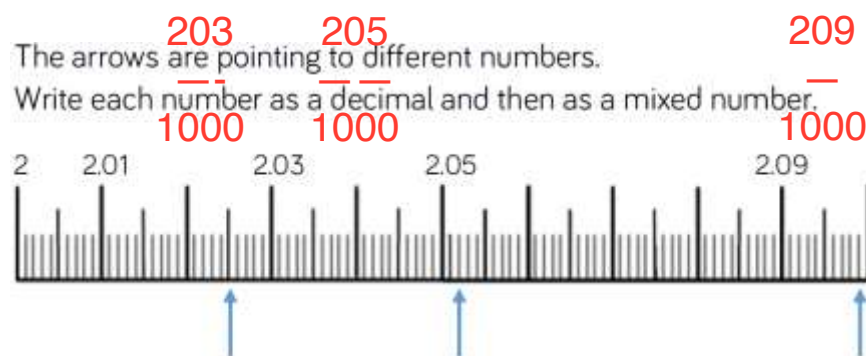
Understanding Thousandths

Tuesday 12th May 2020

Verne and Cubes

De Gaulle and Cuboids

L.O. Recognise fraction and decimal equivalents, up to 3 dp (thousandths). Verne Cubes De Gaulle Cuboids Remember to/that:	What I think	What my teacher thinks
Whole numbers are written to the left of the decimal point.	☐	☐
Decimal fractions are written to the right of the decimal point.	☐	☐
One whole = 10 tenths, 100 hundredths, 1000 thousandths.	☐	☐
One tenth = 10 hundredths.	☐	☐
One hundredth = 10 thousandths	☐	☐
Do me first.		
24 x 1.4 = 33.6	32 x 2.3 = 73.6	18 x 3.4 = 61.2



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?

The smallest number is 0.116
The biggest number is 6.11



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.

$\text{Blue circle} = 1$
 $\text{Orange star} = \frac{1}{10}$
 $\text{Green triangle} = \frac{1}{100}$
 $\text{Yellow pentagon} = \frac{1}{1000}$

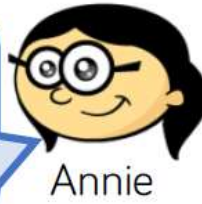
First is 1.431 Second is 2.322

When you have completed these, have a go at the extension task.

Extension task.

Three children are representing the number 0.504

$$0.504 = \frac{504}{1000}$$



Alex

$$0.504 = \frac{3}{10} + \frac{2}{10} + \frac{4}{1000}$$

$$0.504 = \frac{5}{10} + \frac{4}{1000}$$



Who is correct? **They all are correct**
Explain why.

One of them which is annie has recorded as a fraction while alex and teddy have partitioned