Understanding thousandths Tuesday 12th May 2020

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 x 4 = 32 x 3 = 18 x 4 =

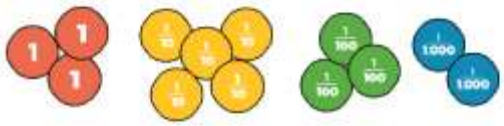
Sketch Base 10 to build:

- 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.

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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 = 32 x 23 = 18 x 34 =

0.394

= 3 tenths, 9 hundredths and 4 thousandths

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

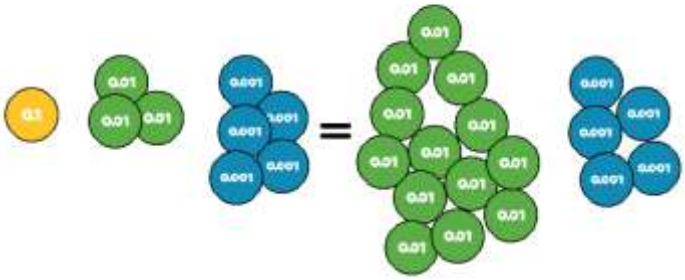
$= 0.3 + 0.09 + 0.004$

Write these numbers in three different ways:

0.472 0.529 0.307

Write the four decimals in order from smallest to largest.

Rosie thinks the 2 values are equal.



Do you agree?
Explain your thinking.

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

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

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Verne and Cubes

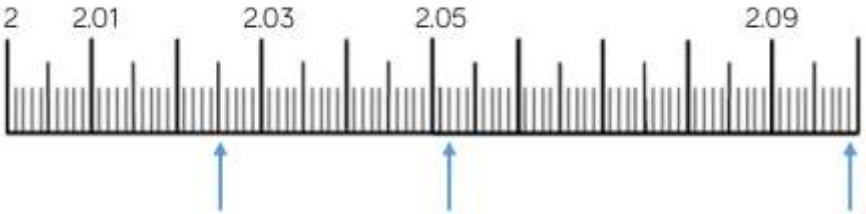
De Gaulle and Cuboids

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 = 32 x 2.3 = 18 x 3.4 =

The arrows are pointing to different numbers.
Write each number as a decimal and then as a mixed number.



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?

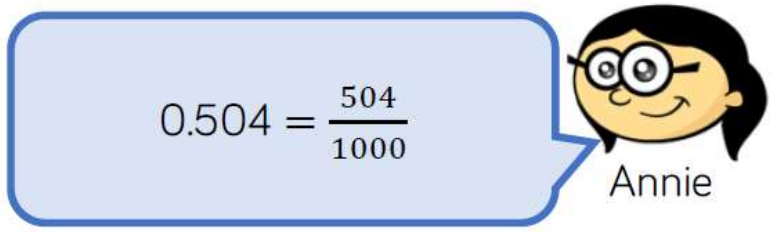
In this problem symbols have been used to represent two different numbers. Write down the value of each, as a mixed number and as a decimal.

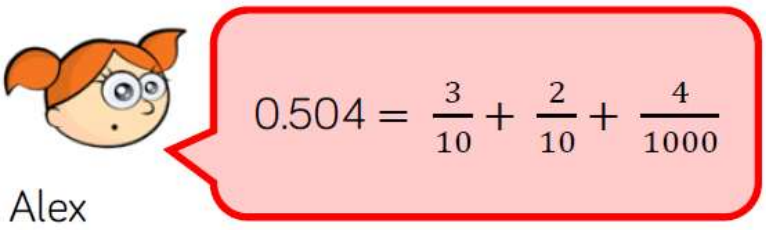
◯ = 1 ☆ = $\frac{1}{10}$ △ = $\frac{1}{100}$ ⬠ = $\frac{1}{1000}$

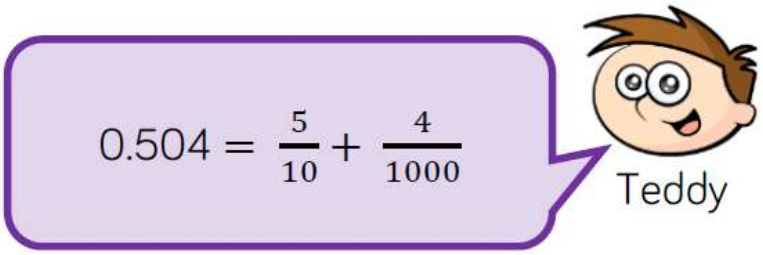
When you have completed these, have a go at the extension task.

Extension task.

Three children are representing the number 0.504







Who is correct?
Explain why.