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	○	○

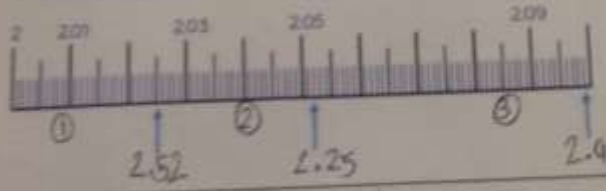
Do me first.

24 x 1.4 =

12 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.



① 2.52 $2\frac{52}{100}$

② 2.25 $2\frac{25}{100}$

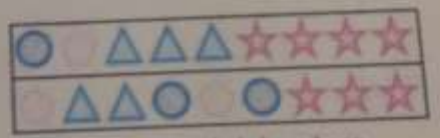
③ 2.99 $2\frac{99}{100}$

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?

Equally

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

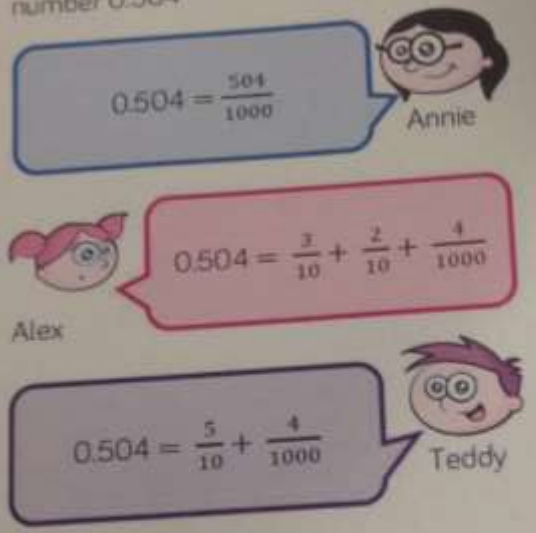
1 0.1 0.01 0.001

1 $0\frac{1}{10}$ $0\frac{1}{100}$ $0\frac{1}{1000}$

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.

Annie is correct because she has included $\frac{504}{1000}$ (in her speech bubble) and that is what it is really!