Maths Extension Questions

Q1

0.394

Can be written in three different ways

1. Written with words
2. Split into three fractions that add up to the decimal
3. Split into three decimals that add up to the decimal

Write these numbers in three different ways:

0.472 **0.529** **0.307**

Q2

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

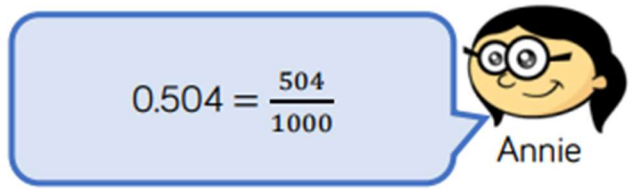
Can you record the numbers in different ways?

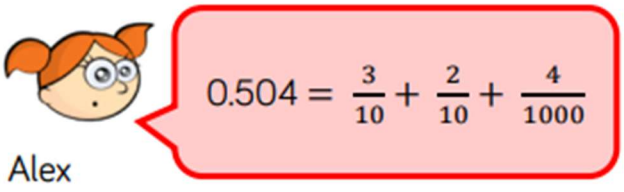
In this problem symbols have been used to represent two different numbers. Write down the value of each, as a mixed number and as a decimal.

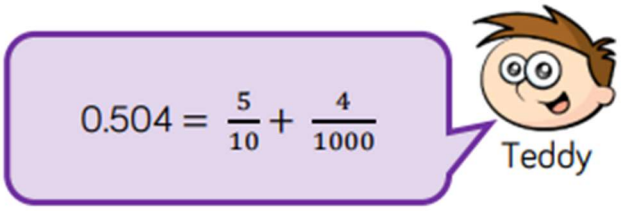
○ = 1 ☆ = $\frac{1}{10}$ △ = $\frac{1}{100}$ ⬠ = $\frac{1}{1000}$

Q3

Three children are representing the number 0.504







Who is correct?
Explain why.

Testbase Questions

Q1.

Put a tick (✔) in **each row** to complete this table.

One has been done for you.

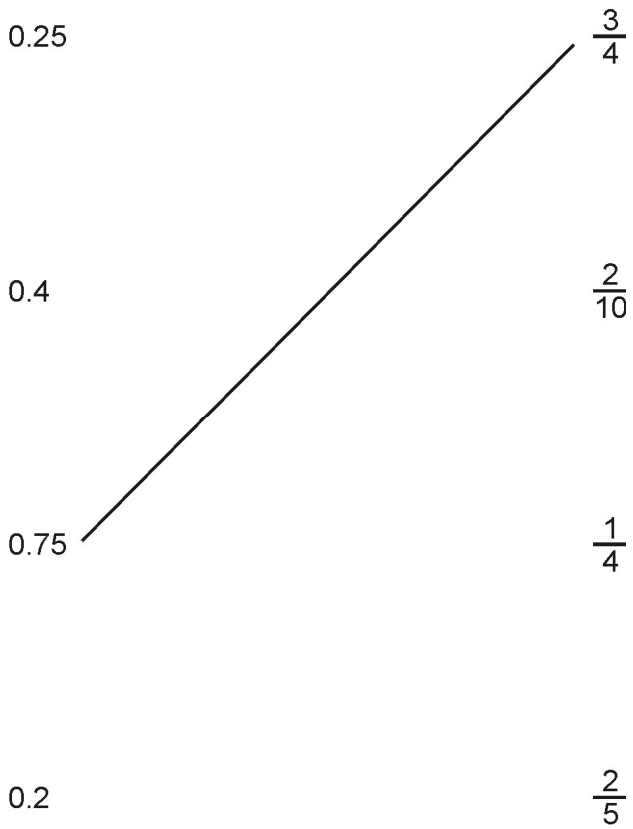
	greater than $\frac{1}{2}$	less than $\frac{1}{2}$
0.9	✔	
0.06		
$\frac{11}{20}$		
0.21		

2 marks

Q2.

Match each decimal number to its equivalent fraction.

One has been done for you.



1 mark

Q3.

Look at this number.

23,451.96

Write the **digit** that is in the hundreds place.

1 mark

Write the **digit** that is in the hundredths place.

1 mark

Q4.

Tick all the numbers that are equivalent to $\frac{13}{100}$

0.013

1.3

0.13

0.103

0.130

1 mark

Mark schemes

Q1.

Award **TWO** marks for the table correctly completed as shown:

✓	
	✓
✓	
	✓

If the table is not correctly completed award **ONE** mark for any two out of three ticks correct.

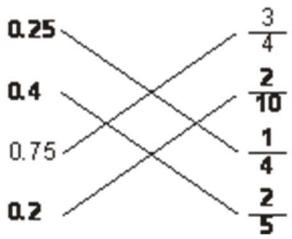
Do not *accept any row that has both columns ticked.*

Accept unambiguous alternatives to ticks, eg 'yes'.

Up to 2

Q2.

All numbers matched correctly as shown:



Do not *award the mark if additional incorrect lines are drawn.*

Lines need not touch the numbers provided the intention is clear.

[1]

Q3

(a) 4

Do not *accept four* ***OR*** *400*

1

(b) 6

Do not *accept six* ***OR*** $\frac{6}{100}$

1

Commentary: This question assesses place value in whole numbers up to 1,000,000 (5N3a) and in decimals (5F6b).

Q4.

0.13 and 0.130 only

[1]