

1)

Alex says,



3.105 is greater than 3.2
because 105 is greater
than 2

Do you agree?
Explain your answer.

2)

Tommy says,



I have put some numbers into
ascending order:

3.015

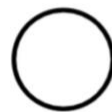
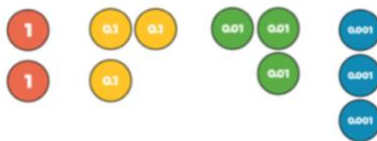
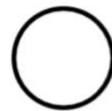
$3\frac{51}{1000}$

3.105

$3\frac{51}{100}$

Tommy has missed one number out.
It should go in the middle of this list.
What could his number be?
What can't his number be?

3) Use $<$, $>$ or $=$ to make the statements correct.



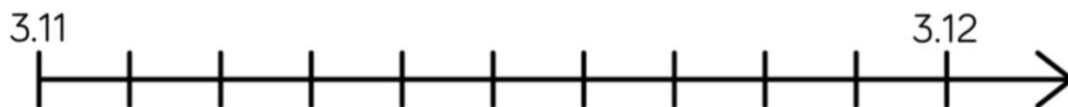
$13.33 \div 10$

Place the numbers in ascending order on the number line.

3.115

$3\frac{113}{1000}$

Three and 11 hundredths



Place in descending order.

- 0.123 0.321 0.231 0.103
- 3.2 km 3.21 km 3.212 km 3202 m
- 65.394 65.309 63.999 65.493

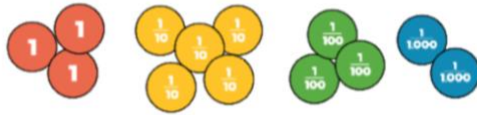
4)



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

Write down the numbers as a decimal.

a)



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

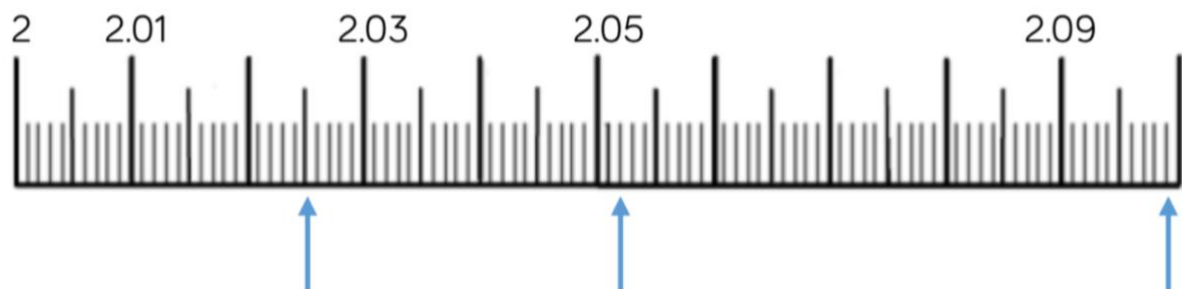
b) 4 ones, 6 tenths, 0 hundredths and 2 thousandths

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



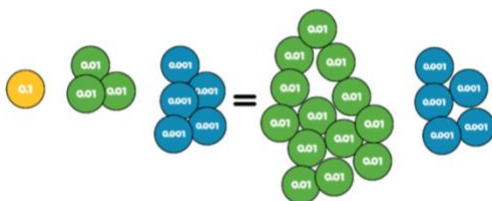
The arrows are pointing to different numbers.

Write each number as a decimal and then as a mixed number.



5)

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?

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

6)

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

7)

Three children are representing the number 0.504

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



Annie



Alex

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



Teddy

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

Who is correct?

Explain why.