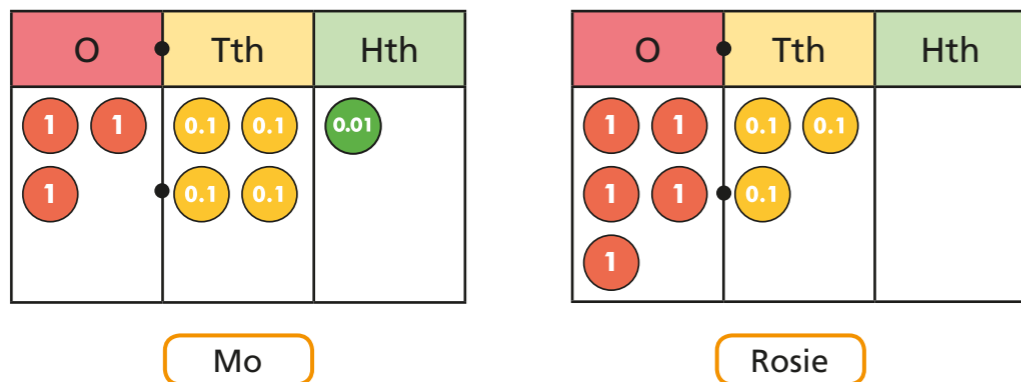# Compare and order any number up to one billion

1 Mo and Rosie each use 8 counters to make a number on a place value chart.

O	Tth	Hth
1 1	0.1 0.1	0.01
1	0.1 0.1	

Mo

O	Tth	Hth
1 1	0.1 0.1	
1 1	0.1	
1		

Rosie

Who has made the greatest number? _____

Explain how you know.

_____

_____

2 Write < or > to compare the numbers.

a)

T	O	Tth
10	1 1	0.1 0.1
	1	0.1 0.1
		0.1

◯

T	O	Tth
10	1 1	0.1
	1 1	
	1 1	

b)

O	Tth	Hth
	0.1 0.1	0.01 0.01
	0.1 0.1	
	0.1 0.1	

◯

O	Tth	Hth
		0.01 0.01
		0.01 0.01
		0.01 0.01
		0.01 0.01
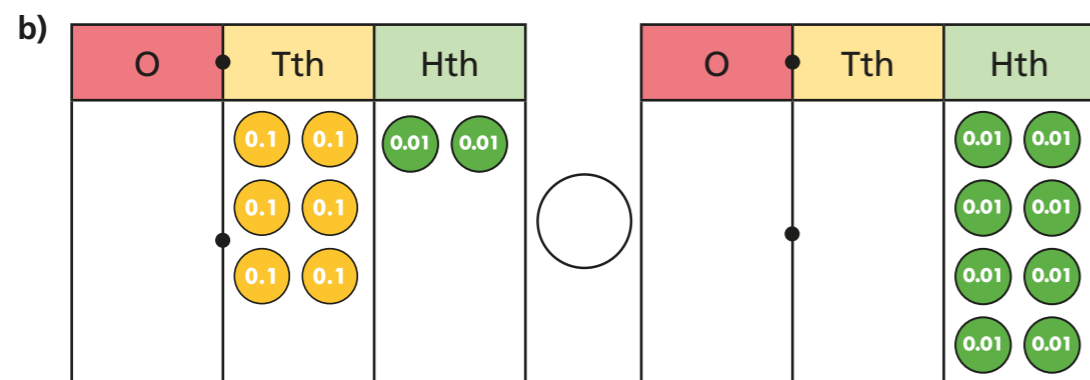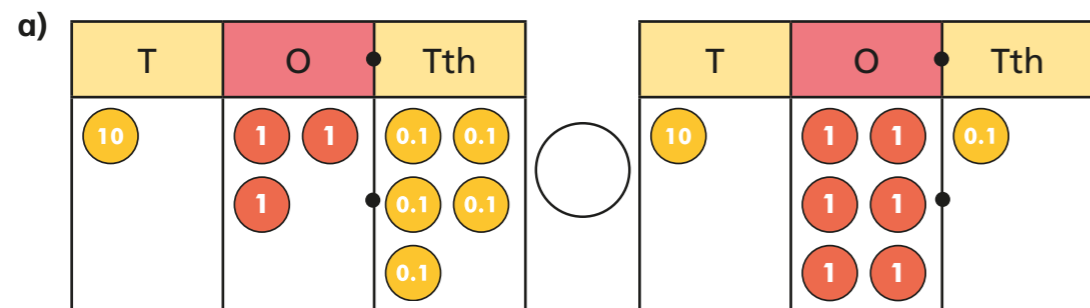
c) 1.43 ◯ 1.34

d) 30.14 ◯ 31.4

3 Ron is comparing numbers.

> 5.3 is less than 5.18 as 3 is less than 18

Is Ron correct? _____

Explain your answer.

_____

_____

4 a) Write these numbers on the place value chart.

10.02   20.2   0.21   10.1   2.01   0.12

Tens	Ones	Tenths	Hundredths

b) Write the numbers in ascending order.

_____

5 Write <, > or = to complete the statements.

a) 18.2 ◯ 18.09

b) 1.25 ◯ 12.5

c) 0.07 ◯ 0.7

d) 310.46 ◯ 3104.6

e) 0.5 ◯ five tenths

f) two ones and three hundredths ◯ three ones and two hundredths
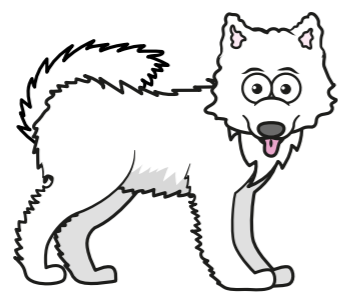
g) six tenths ◯ sixty hundredths

h) eight ones, nine tenths and one hundredth ◯ eight ones and nine hundredths

6 The weights of three dogs are shown.

20.37 kg   20.73 kg   20.7 kg

a) Write the weights in descending order.

_____

b) A fourth dog is weighed.

This dog is the second heaviest of all the dogs.

What could the weight of this dog be?

_____

Is there more than one answer?

7 Write the numbers in ascending order.

a) 4.5   45   0.45   0.504

_____

b) 130.9 km   135 km   1,039.5 km   132.5 km

_____

8 Circle all the values that are less than four-tenths.

0.37   0.45   8 tenths   1.1   0.099

9 Write the missing digits to make the statements correct.

a) 5.8 > 5.__8

5.8 < 5.__8

b) 3__.__ < 32.64

3__.__ > 32.64

How many answers can you find for each?

10 Fill in the missing digits so that the numbers are in ascending order.

0.9__   0.__8   1.__   __.1__   1.__2

How many answers can you find?

_____

_____

Compare answers with a partner.