Compare decimals

1 Write < or > to compare the decimals.

a)

O	Tths	Hths
	0.1 0.1	0.01 0.01 0.01 0.01

○

O	Tths	Hths
	0.1 0.1 0.1	0.01 0.01 0.01 0.01 0.01

b)

O	Tths	Hths
1 1 1	0.1	0.01 0.01 0.01 0.01 0.01

○

O	Tths	Hths
1 1 1	0.1 0.1 0.1 0.1 0.1 0.1	0.01 0.01 0.01

c)

O	Tths	Hths
1 1 1	0.1	0.01 0.01 0.01 0.01 0.01 0.01

○

O	Tths	Hths
1 1	0.1 0.1	0.01 0.01 0.01 0.01 0.01

d)

O	Tths	Hths
1 1	0.1 0.1	0.01 0.01 0.01 0.01 0.01 0.01

○

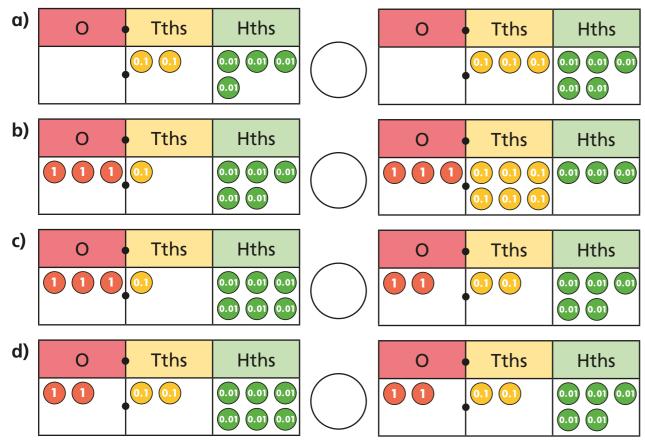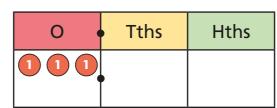| O	Tths	Hths
1 1	0.1 0.1	0.01 0.01 0.01 0.01 0.01

Did you have to compare all the columns for every question?

2 Draw counters to make the statements correct.

a)

O	Tths	Hths
1 1 1	0.1	0.01 0.01 0.01 0.01

<

O	Tths	Hths

b)

O	Tths	Hths
1 1 1	0.1	0.01 0.01 0.01 0.01

>

O	Tths	Hths
1 1 1		

3 Write < or > to compare the decimals.

a)

O	Tths	Hths
7	6	8

○

O	Tths	Hths
7	0	2

b)

O	Tths	Hths
3	2	5

○

O	Tths	Hths
3	9	6

c)

O	Tths	Hths
0	4	1

○

O	Tths	Hths
0	2	9

d)

O	Tths	Hths
1	0	3

○

O	Tths	Hths
1	2	0

e)

O	Tths	Hths
2	7	2

○

O	Tths	Hths
2	7	1

4 Complete the place value charts to make the statements correct.

a)

O	Tths	Hths
6	2	8

<

O	Tths	Hths

b)

O	Tths	Hths
3	2	6

>

O	Tths	Hths
3		

c)

O	Tths	Hths
9	9	8

<

O	Tths	Hths

d)

O	Tths	Hths
1	4	6

>

O	Tths	Hths
		8

5 Ron and Amir have each made a number using counters on a place value chart.

Ron's looks like this:

Ones	Tenths	Hundredths
	⚫⚫⚫⚫	⚫⚫

Amir's looks like this:

Ones	Tenths	Hundredths
⚫⚫⚫		

> My number is greater than Amir's, because I have used twice as many counters.

Do you agree with Ron? _____

Explain your reasoning.

6 Draw exactly 8 counters in each chart to represent a number that matches each statement.

a) a number less than 0.76

Ones	Tenths	Hundredths

b) a number more than 5.74

Ones	Tenths	Hundredths

c) a number between 5.13 and 5.29

Ones	Tenths	Hundredths

How many different answers are there for each statement?

7 Write < or > to compare the numbers.

a) 3.2 ◯ 3.8

b) 1.46 ◯ 1.43

c) 1 ◯ 0.99

d) 0.16 ◯ 0.8

8 Fill in the missing digits to make the statements correct.

a) 0.34 < 0.3___

b) 2.42 > 2.4___

c) 0.74 < 0.___2

d) 1.3___ < 1.3___

e) 2.___2 > 2.___2

f) 0.8___ < 0.___9

Is there more than one answer for each?

9 Here are four digit cards.

| 7 | 0 | 3 | 1 |

Use each digit card once to make this statement correct.

☐ . ☐ > ☐ . ☐

How many possible answers are there?