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	

© White Rose Maths 2020

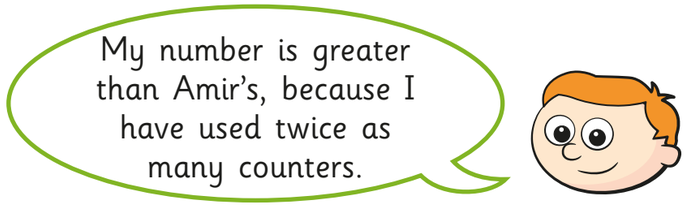
5 Ron and Amir have each made a number using counters on a place value chart.

Ron's looks like this:

Ones	Tenths	Hundredths
	●●●●	●●

Amir's looks like this:

Ones	Tenths	Hundredths
●●●		



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__

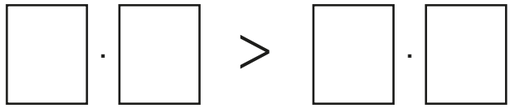
e) 2.__2 > 2.__2

f) 0.8__ < 0.__9

Is there more than one answer for each?

9 Here are four digit cards.

Use each digit card once to make this statement correct.



How many possible answers are there?

© White Rose Maths 2020