

Compare decimals

1 Write < or > to compare the decimals.

a)

O	Tths	Hths
	0.1 0.1	0.01 0.01 0.01

 <

O	Tths	Hths
	0.1 0.1 0.1	0.01 0.01 0.01

b)

O	Tths	Hths
1 1 1	0.1	0.01 0.01 0.01

 <

O	Tths	Hths
1 1 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

 >

O	Tths	Hths
1 1	0.1 0.1	0.01 0.01 0.01

d)

O	Tths	Hths
1 1	0.1 0.1	0.01 0.01 0.01

 >

O	Tths	Hths
1 1	0.1 0.1	0.01 0.01

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

2 Draw counters to make the statements correct. e.g.

a)

O	Tths	Hths
1 1 1	0.1	0.01 0.01 0.01

 <

O	Tths	Hths

b)

O	Tths	Hths
1 1 1	0.1	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. e.g.

a)

O	Tths	Hths
6	2	8

 <

O	Tths	Hths
6	2	9

b)

O	Tths	Hths
3	2	6

 >

O	Tths	Hths
3	2	5

c)

O	Tths	Hths
9	9	8

 <

O	Tths	Hths
9	9	9

d)

O	Tths	Hths
1	4	6

 >

O	Tths	Hths
0	8	9

- 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? NO

Explain your reasoning.



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

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) $3.2 < 3.8$

c) $1 > 0.99$

b) $1.46 > 1.43$

d) $0.16 < 0.8$

- 8 Fill in the missing digits to make the statements correct. *e.g.*

a) $0.34 < 0.3\underline{5}$

d) $1.3\underline{1} < 1.3\underline{2}$

b) $2.42 > 2.4\underline{1}$

e) $2.\underline{4}2 > 2.\underline{3}2$

c) $0.74 < 0.\underline{8}2$

f) $0.8\underline{9} < 0.\underline{9}9$

Is there more than one answer for each?



- 9 Here are four digit cards.

7	0	3	1
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Use each digit card once to make this statement correct.

e.g. $\boxed{7}.\boxed{0} > \boxed{3}.\boxed{1}$

How many possible answers are there?

