

Compare decimals

1 Write $<$ or $>$ to compare the decimals.

a)

0	Tths	Hths
	0.1 0.1	0.01 0.01 0.01

 $<$

0	Tths	Hths
	0.1 0.1 0.1	0.01 0.01 0.01

b)

0	Tths	Hths
1 1 1	0.1	0.01 0.01 0.01

 $<$

0	Tths	Hths
1 1 1	0.1 0.1 0.1	0.01 0.01 0.01

c)

0	Tths	Hths
1 1 1	0.1	0.01 0.01 0.01

 $>$

0	Tths	Hths
1 1	0.1 0.1	0.01 0.01 0.01

d)

0	Tths	Hths
1 1	0.1 0.1	0.01 0.01 0.01

 $>$

0	Tths	Hths
1 1	0.1 0.1	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. *e.g.*

a)

0	Tths	Hths
1 1 1	0.1	0.01 0.01 0.01

 $<$

0	Tths	Hths
	0 0 0	0 0 0

b)

0	Tths	Hths
1 1 1	0.1	0.01 0.01 0.01

 $>$

0	Tths	Hths
1 1 1	0	0 0 0

3 Write $<$ or $>$ to compare the decimals.

a)

0	Tths	Hths
7	6	8

 $>$

0	Tths	Hths
7	0	2

b)

0	Tths	Hths
3	2	5

 $<$

0	Tths	Hths
3	9	6

c)

0	Tths	Hths
0	4	1

 $>$

0	Tths	Hths
0	2	9

d)

0	Tths	Hths
1	0	3

 $<$

0	Tths	Hths
1	2	0

e)

0	Tths	Hths
2	7	2

 $>$

0	Tths	Hths
2	7	1

4 Complete the place value charts to make the statements correct. *e.g.*

a)

0	Tths	Hths
6	2	8

 $<$

0	Tths	Hths
6	2	9

b)

0	Tths	Hths
3	2	6

 $>$

0	Tths	Hths
3	2	5

c)

0	Tths	Hths
9	9	8

 $<$

0	Tths	Hths
9	9	9

d)

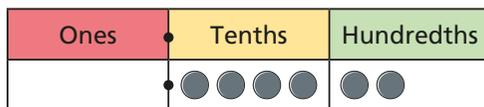
0	Tths	Hths
1	4	6

 $>$

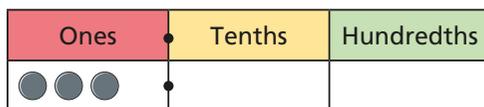
0	Tths	Hths
0	8	9

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

Ron's looks like this:



Amir's looks like this:



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

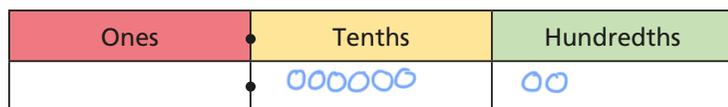


Do you agree with Ron? NO

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



- b) a number more than 5.74



- c) a number between 5.13 and 5.29



How many different answers are there for each statement?

- 7 Write $<$ or $>$ to compare the numbers.

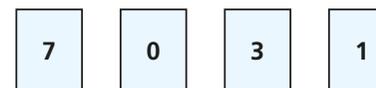
- a) $3.2 < 3.8$ c) $1 > 0.99$
 b) $1.46 > 1.43$ d) $0.16 < 0.8$

- 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.



Use each digit card once to make this statement correct.

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

How many possible answers are there?

