Class 3 Home Learning, week beginning 11th May 2020

Maths - Year 4

Summer Term

Week 1 (w/c 20 April)

Lesson 3

Compare decimals

Please watch the video before choosing your challenge.

Why not have a go at the reasoning and problem solving too?

(Hint for today's lesson: remember the crocodile always likes to eat the greater number!)

w/b 11.5.20 Class 3's Home Learning, Maths (Y4)

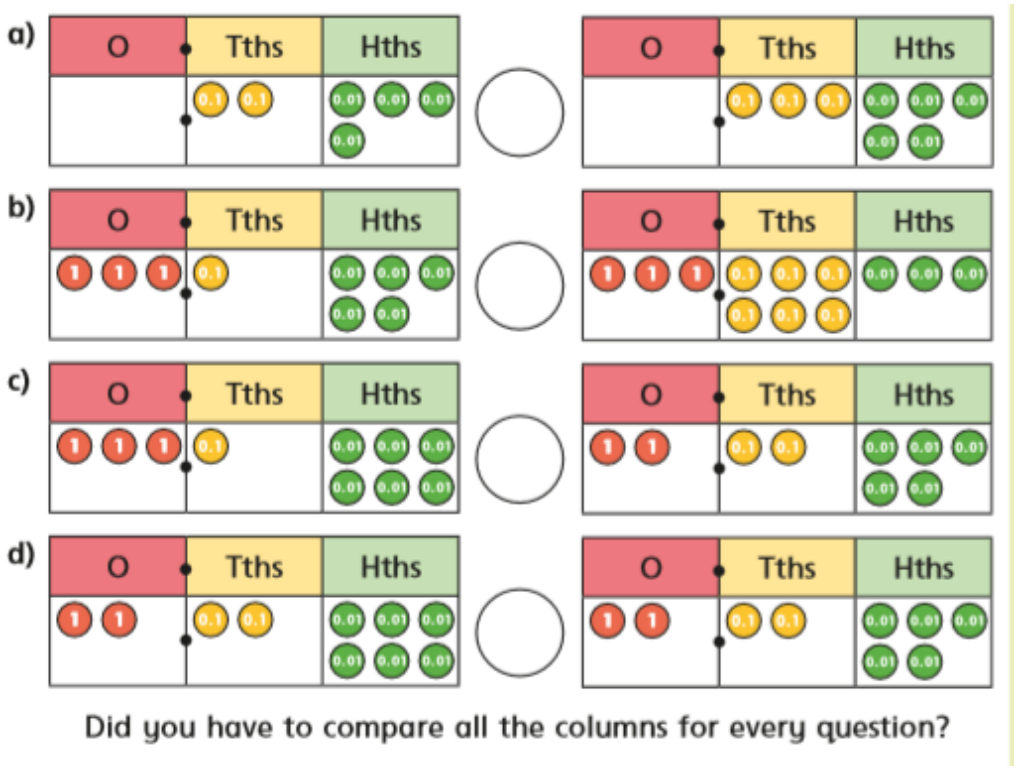
Can I compare decimals?

Challenge 1

These pages do not need to be printed out. Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to write the question number too!

Questions 1-4 mentioned in the video are questions 1-4 in Challenge 1.

1) For each question, write in your maths book the numbers represented in the place value tables. Then write < (less than) or > (greater than) between them.



2) For each question, write in your maths book the number represented in the place value table. Then write a second number to make the statement true; some digits have already been put in to help. Draw place value

3) For each question, write the numbers from the place value tables in your maths book. Then write < (less than) or > (greater than) between them.

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) For each question, write in your maths book the number represented in the place value table. Then write a second number to make the statement true; some digits have already been put in to help.

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	

Answers for all of the above questions can be found on the White Rose Home Learning website.

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Can I compare decimals? Challenge 2

These pages do not need to be printed out. Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to write the question number too!

Questions 1-4 mentioned in the video are questions 1-4 in Challenge 1.

Questions 5-9 are questions 1-5 in this challenge.

1) Have a go at explaining in writing why you agree or do not agree.

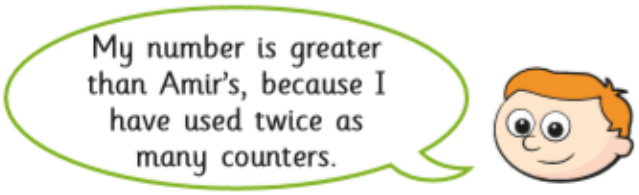
Ron and Amir have each made a number using counters on a place value chart.

Ron's looks like this:

Ones	Tenths	Hundredths
	●●●●	●●

Amir's looks like this:

Ones	Tenths	Hundredths
●●●		



Do you agree with Ron? _____

2) Please draw the place value tables in your maths book.

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?

3) Copy and complete.

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

4) Copy and complete.

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__

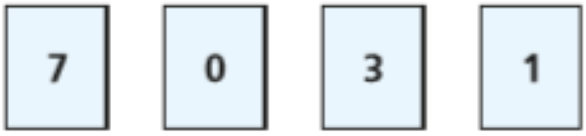
e) 2.__2 > 2.__2

f) 0.8__ < 0.__9

Is there more than one answer for each?

5)

Here are four digit cards.



Use each digit card once to make this statement correct.

How many possible answers are there?

Answers for all of the above questions can be found on the White Rose Home Learning website.

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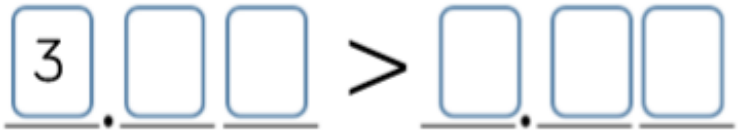
Can I compare decimals?

Reasoning and problem solving

These pages do not need to be printed out. Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to write the question number too!

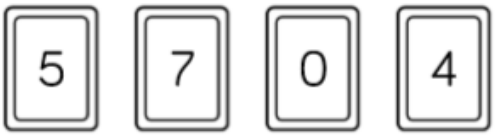
1)

Use each digit card **once** to make the statement correct.



Can you find eight different possible solutions?

2)



Use three digit cards to make the greatest possible number.

Use three digit cards to make the smallest possible number.

Extra challenge

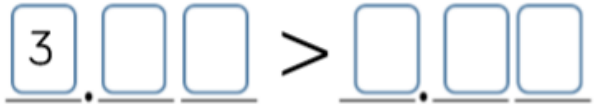
- Can you make the second greatest possible number? How do you know?
- Can you make the second smallest number? How do you know?

Answers are on the next page.

Compare Decimals

Reasoning and Problem Solving

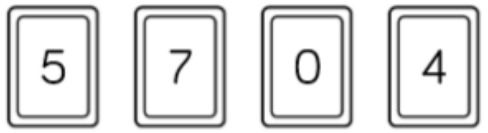
Use each digit card **once** to make the statement correct.



Can you find eight different possible solutions?

Some possible solutions:

$3.12 > 0.45$
$3.24 > 1.05$
$3.45 > 1.02$
$3.01 > 2.45$
$3.42 > 2.01$
$3.45 > 0.12$
$3.02 > 1.45$
$3.24 > 1.05$



Use three digit cards to make the greatest possible number.

Use three digit cards to make the smallest possible number.

The greatest:

7.54

The smallest:

0.45