Canonbury Home Learning

**Year 5 Maths**

Steppingstone activity

Summer week 2 Lesson 2 – 28.04.20

LO: ordering and comparing decimals

Success Criteria:

1. First look at the column to the far left, compare the digits.
2. If they are the same move down a column and compare.
3. If these are also the same move down another column.
4. Continue until your digits are different, decide which is bigger and which is smaller.

Model

Ones	Tenths
1 1	1/10 1/10 1/10
	1/10 1/10 1/10
2	**6**
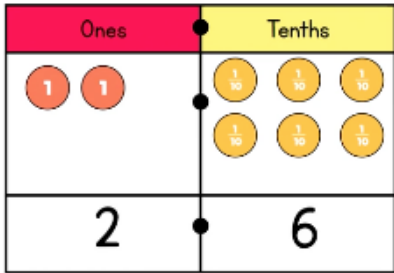
This place value grid shows a decimal
Number separated by a decimal point.
The decimal point separates the whole
Number from the fraction or

Tens	Ones	Tth	Hth	
1		1 1	1	10.21
	1 1 1 / 1 1 1 / 1 1	1 1 1 / 1 1 1	1 1 1 / 1 1 1	8.68
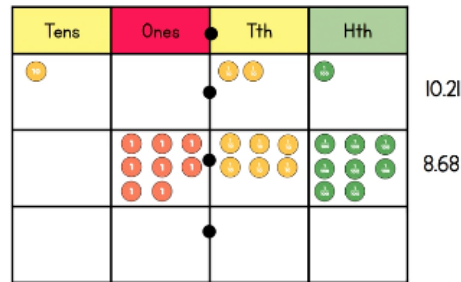
10.21 is larger than 8.68 at is has a digit in the 10's column. 8.68 may look as if it has more counters but they are of a smaller value, therefore 8.68 is smaller.

Tens	Ones	Tth	Hth
7	6	3	
3	5	0	3
7	6	4	1

Tens	Ones	Tth	Hth
7	6	3	
3	5	0	3
7	6	4	1

Tens	Ones	Tth	Hth
7	6	3	
3	5	0	3
7	6	4	1

When comparing and ordering decimals we work in the same way as we do with whole numbers. First compare using the digits in the far left columns e.g. the 10's. then move to the one's, then the tenths followed by the hundredths.

Now have a go at this:

Which is smallest? which is biggest? How do we know?

1) 4.13, 4.08, 5.1   2) 6.34, 6.23, 7.09   3) 7.45, 7.43, 7.41   4) 56.8, 57.9, 56.78

Year 5 Maths

Summer week 2 Lesson 2 – 28.04.20
LO: ordering and comparing decimals
Success Criteria:

You are going to practise comparing Decimals!

Success Criteria:

5.	First look at the column to the far left, compare the digits.
6.	If they are the same move down a column and compare.
7.	If these are also the same move down another column.
8.	Continue until your digits are different, decide which is bigger and which is smaller.

Model:

Tens	Ones	Tth	Hth
7	6	3	
3	5	0	3
7	6	4	1

Tens	Ones	Tth	Hth
7	6	3	
3	5	0	3
7	6	4	1

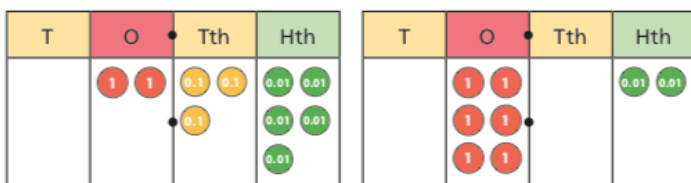| Tens	Ones	Tth	Hth
7	6	3	
3	5	0	3
7	6	4	1

When comparing and ordering decimals we work in the same way as we do with whole numbers. First compare using the digits in the far left columns e.g. the 10's. then move to the one's, then the tenths followed by the hundredths.
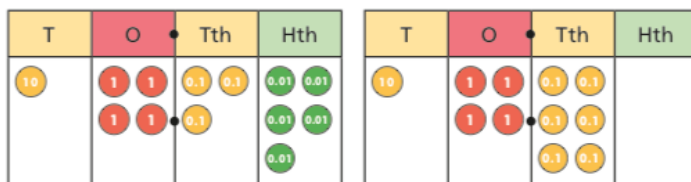
Task 1	Task 2	Task 3

Practice

Which number is greater?

Tick your answer.

T	O	•	Tth	Hth

T	O	•	Tth	Hth

Explain your answer.

_____

Which is the smaller number?

Tick your answer.

T	O	•	Tth	Hth

T	O	•	Tth	Hth

Explain your answer.

_____

Now try these:

Here are some numbers in a place value chart.

Ones	•	Tenths	Hundredths	Thousandths
3	•	2	3	4
3	•	1	6	
3	•	2	0	8
3	•	1	4	5

Write the numbers in order, starting with the greatest.

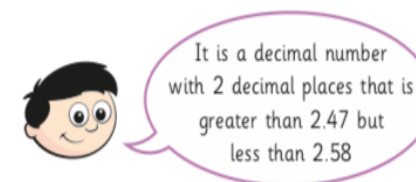Mo, Amir, Ron, Teddy and Jack are measuring their heights with a metre rule.

Mo	Amir	Ron	Teddy	Jack
1.35 m	1.53 m	1.32 m	1.3 m	1.5 m
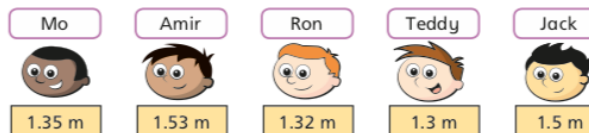
Write the names and heights of the children in order from shortest to tallest.

Name	Height

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Have a go at these problems:

Dexter is thinking of a number.

It is a decimal number with 2 decimal places that is greater than 2.47 but less than 2.58

What possible numbers could Dexter be thinking of?

_____

_____

Tick the numbers that are equal to 2.5

Circle the numbers that are greater than 2.5

You will need to convert the mixed numbers to decimal numbers first.

2.05	$2\frac{5}{10}$	$2\frac{1}{2}$
$2\frac{5}{100}$	2.53	$2\frac{3}{5}$
2.501	$2\frac{80}{100}$	$2\frac{3}{10}$