

Class 3 Home Learning, week beginning 11th May 2020

Maths - Year 4

Summer Term

Week 1 (w/c 20 April)

Lesson 4

Order decimals

Please watch the video before choosing your challenge.

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

Can I order 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) Please write your answers in your maths book.

a) What number is represented in each place value chart?

Ones	Tenths	Hundredths
1 1 1	0.1	0.01 0.01 0.01 0.01

Ones	Tenths	Hundredths
1 1 1 1	0.1	0.01 0.01 0.01 0.01

Ones	Tenths	Hundredths
1 1 1	0.1	0.01 0.01 0.01 0.01 0.01

Ones	Tenths	Hundredths
1 1 1	0.1 0.1	0.01 0.01 0.01

b) Write the numbers in ascending order.

smallest

greatest

2) In your maths book, a) write the numbers represented in the place value tables and then b) write them in ascending (smallest to greatest) order.

O	Tths	Hths
1	0.1 0.1 0.1 0.1	0.01 0.01

O	Tths	Hths
1 1		0.01 0.01 0.01 0.01 0.01 0.01

O	Tths	Hths
1 1	0.1 0.1 0.1	

O	Tths	Hths
1	0.1 0.1 0.1	0.01 0.01 0.01

3) Write the numbers in descending order.

1.42

4.12

1.24

2.41

4) Please write in your maths book why you agree or why you do not agree.

Teddy's teacher asks him to put some numbers in ascending order.

Here is his answer.

0.64 12.7 2.83

Can I order decimals?

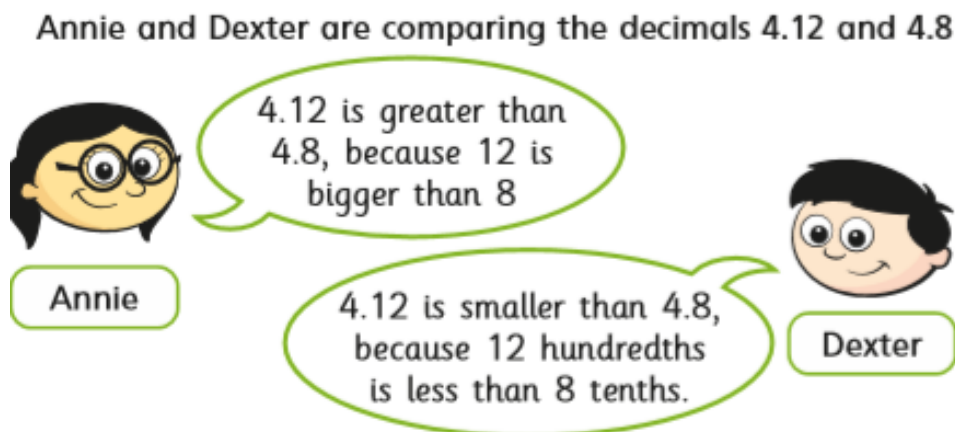
Challenge 2

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) Please write down who you agree with and why.



2) Write $<$ (less than) or $>$ (greater than) to complete the statements. In each question, are the numbers in ascending or descending order?

- a) 3.2 3.8 3.9 _____
- b) 0.41 0.38 0.25 _____
- c) 4.2 4.17 4.085 _____

3) In your maths book, write the numbers in ascending order.

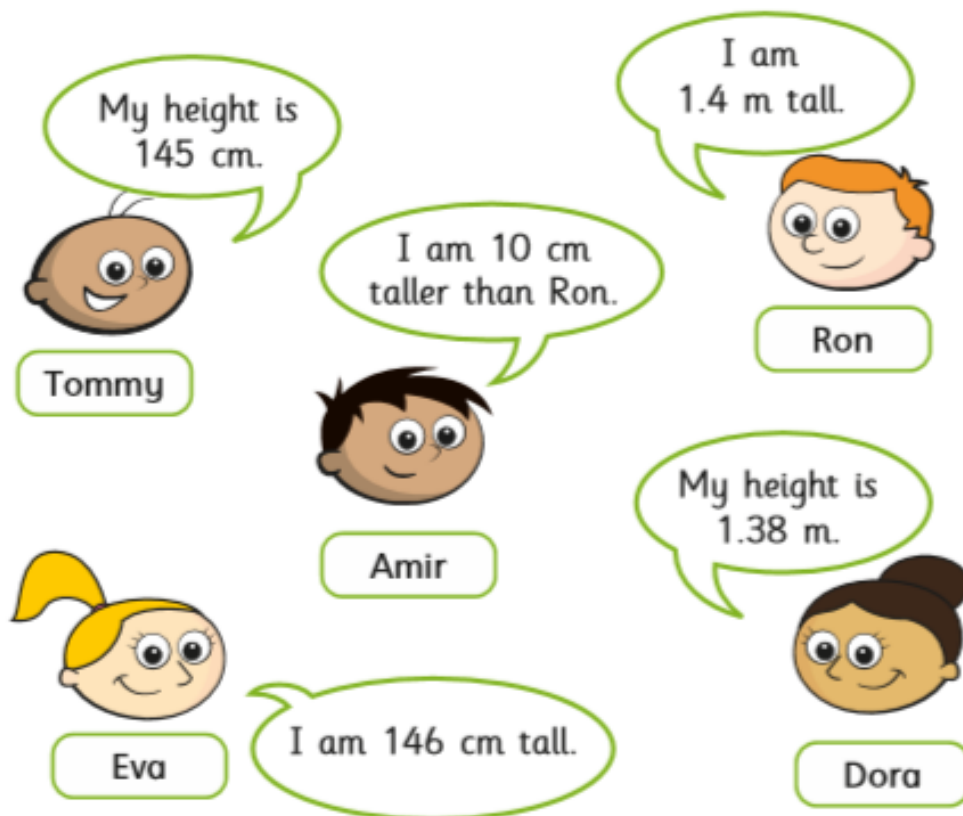
a) 2.38 0.97 1.45 1.81

b) 0.64 0.7 0.09 0.46

c) 12.3 2 7.83 0.99

4) Write the children's names in order from shortest to tallest.

Tommy, Ron, Amir, Dora and Eva have measured their heights.



5) Is there more than one way to complete each list?

Here are two lists of numbers.

Use the digits 0 to 9 once each to complete the lists.

ascending order $__.4__$ $__.41$ $7.__9$ $__.41$

descending order $__.41$ $7.__9$ $__.41$ $__.4__$

Can I order decimals?

Reasoning and problem solving

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1)

Spot the Mistake

Rosie is ordering some numbers in ascending order:



$0.09 < 0.99 < 10.01 < 1.35 < 9.09$

Can you explain her mistake?

2)

Some children have planted sunflowers and have measured their heights.

Child	Height
Beth	1.23 m
Tony	0.95 m
Rachel	1.02 m
Kate	1.2 m
Faye	99 cm
Emma	0.97 m



Order the children based on the heights of their sunflowers in both ascending and descending order.

Answers are on the next page.

Order Decimals

Reasoning and Problem Solving

Spot the Mistake

Rosie is ordering some numbers in ascending order:



$$0.09 < 0.99 < 10.01 < 1.35 < 9.09$$

Can you explain her mistake?

Rosie hasn't considered the place value of the digits in the numbers and has just ordered by comparing individual digits left to right.

Some children have planted sunflowers and have measured their heights.

Child	Height
Beth	1.23 m
Tony	0.95 m
Rachel	1.02 m
Kate	1.2 m
Faye	99 cm
Emma	0.97 m



Order the children based on the heights of their sunflowers in both ascending and descending order.

Ascending:
Tony, Emma, Faye,
Rachel, Kate, Beth

Descending:
Beth, Kate, Rachel,
Faye, Emma, Tony