

Class 3 Home Learning, week beginning 18th May 2020

Maths - Year 4

Summer Term

Week 2 (w/c 27 April)

Lesson 1

Round decimals

Please watch the video before choosing your challenge.

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

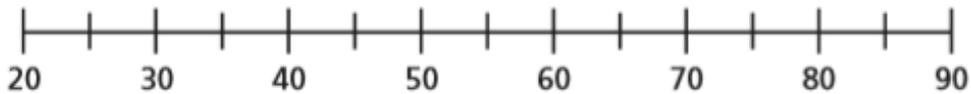
Can I round decimals?

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 1-5 mentioned in the video are questions 1-5 in Challenge 1.

1) Draw this number line in your maths book.



a) Draw arrows to estimate the position of the numbers on the number line.

b) Use the numbers to complete the sentences.

is closer to 50 than 40

is closer to 30 than 20

is closer to 80 than 90

is closer to 60 than 70

2) Draw this number line in your maths book.



a) Draw arrows to estimate the position of the numbers on the number line.

b) Use the numbers to complete the sentences.

is closer to 5 than 4

is closer to 3 than 2

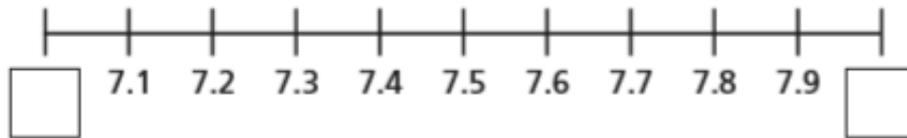
is closer to 8 than 9

is closer to 6 than 7

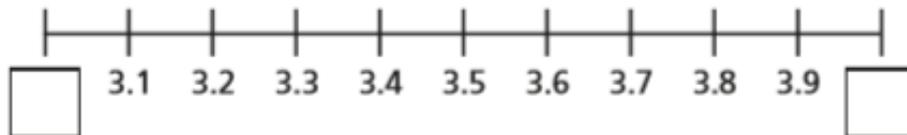
3) Draw the number lines in your maths book and complete.

Fill in the integers on the number lines.

a)



b)



4) Copy and complete.

Which integers do the numbers lie between?

Fill in the boxes to make the statements correct.

a) $< 1.4 <$

b) $< 34.8 <$

c) $< 0.7 <$

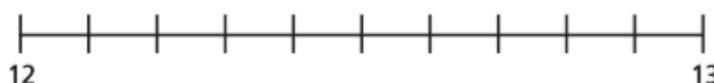
5) Draw the number lines in your maths book.

a) Label 4.3 on the number line.



Is it closer to 4 or 5?

b) Label 12.8 on the number line.



Is it closer to 12 or 13?

Can I round decimals?

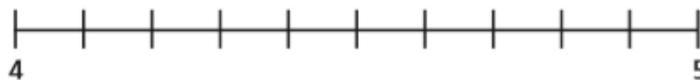
Challenge 2

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 5-10 are questions 1-6 in this challenge.

1) Draw the number lines in your maths book.

a) Label 4.3 on the number line.



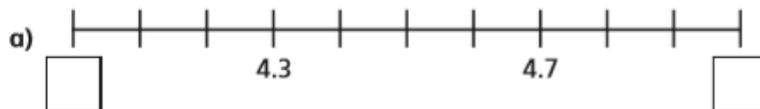
Is it closer to 4 or 5?

b) Label 12.8 on the number line.



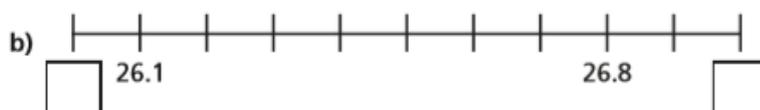
Is it closer to 12 or 13?

2) Copy and complete the number lines and sentences.



is closer to than

is closer to than



is closer to than

is closer to than

3) Which numbers round up to the nearest whole number?

4.1 2.8 0.7 12.3 0.5 99.3

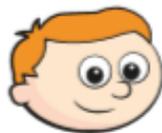
4) Please write the answers in your maths book.

Round each decimal to the nearest whole number.

- | | | | |
|--------|----------------------|---------|----------------------|
| a) 1.8 | <input type="text"/> | e) 13.7 | <input type="text"/> |
| b) 4.2 | <input type="text"/> | f) 20.1 | <input type="text"/> |
| c) 0.9 | <input type="text"/> | g) 0.4 | <input type="text"/> |
| d) 1.5 | <input type="text"/> | h) 99.8 | <input type="text"/> |

5) Do you agree with Ron? Why or why not? Please explain in writing.

Ron is rounding 8.2 to the nearest whole number.



Because 2 tenths is less than 5 tenths, the number rounds down to 7

6) Tommy is thinking of a number that has one decimal place.

When he rounds his number to the nearest whole, the answer is 32

What number could Tommy be thinking of?

Are there any other answers?

Can I round decimals?

Reasoning and problem solving

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1) Please use words and number lines to help you explain your answer.

Mo says 0.4 rounded to the nearest whole number is zero.

Whitney says 0.4 rounded to the nearest whole number is one.

Who is correct? Why?

2) Please use words and a number line to help you explain your answer.

A number with one decimal place rounded to the nearest whole number is 45

What could the number be?

Round Decimals

Reasoning and Problem Solving

Mo says 0.4 rounded to the nearest whole number is zero.

Whitney says 0.4 rounded to the nearest whole number is one.

Who is correct? Why?

Mo is correct. 0.4 lies between 0 and 1, as there are only four tenths, the number rounds to zero.

A number with one decimal place rounded to the nearest whole number is 45

What could the number be?

The number could be:
44.5, 44.6, 44.7,
44.8, 44.9, 45.1,
45.2, 45.3 or 45.4