

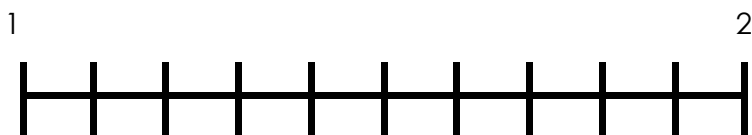


## YR4 PROGRESSION IN MASTERY LESSON PACK - ROUNDING DECIMALS

### FLUENCY 1

Use the number lines to complete the stem sentences.

#### FIRST



1.7 falls between \_\_\_\_\_ and \_\_\_\_\_ but is closer to \_\_\_\_\_ on the number line.

1.7 rounded to the nearest whole number is \_\_\_\_\_.

#### NOW

Draw number lines and write your own stem sentences to round the decimals to the nearest whole number...

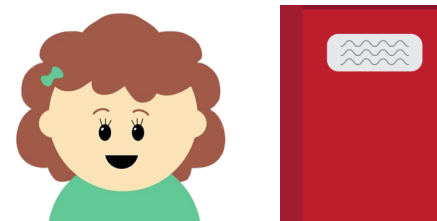
9.2

4.4

6.5

### FLUENCY 2

Darcey's notebook has a height of 21.3cm and a width of 14.8cm.



What are the dimensions rounded to the nearest cm?

### FLUENCY 3

Write a decimal that...

rounds down to 3 to the nearest whole number

rounds up to 12 to the nearest whole number

rounds to 4 to the nearest whole number



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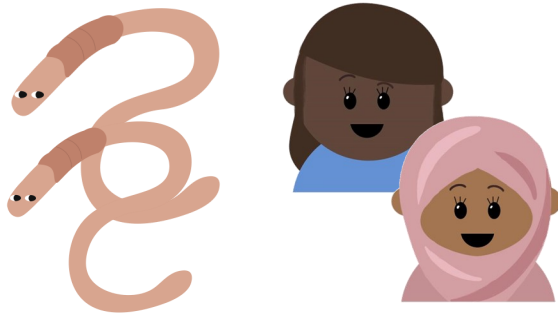


## YR4 PROGRESSION IN MASTERY LESSON PACK - ROUNDING DECIMALS

### REASONING 1

Asha and Anita are digging for worms.

Asha finds a worm that is 5.8cm and Anita finds a worm that is 6.4cm in length.



Anita says, "Because my worm is bigger, it will round to a bigger whole number."

Do you agree with Anita?

Explain why / why not!

### REASONING 2

Jane has listed the one place decimals that round to five to the nearest whole number.



4.6

4.7

4.8

4.9

Has she listed all of the numbers?

Explain why / why not!

### REASONING 3

True or False?

More even one place decimals round up to the nearest whole number than round down?

Explain your reasoning!

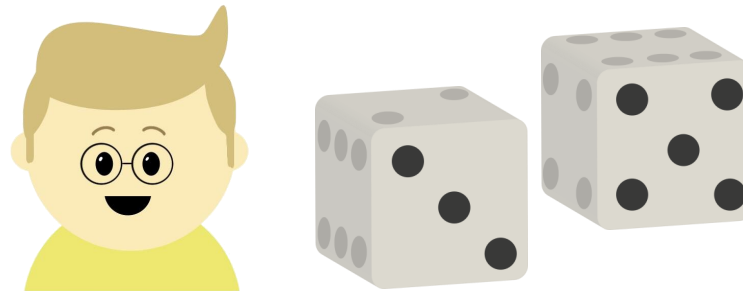




**PROBLEM SOLVING 1**

Alfie rolls two 1-6 dice to create a one place decimal number.

Then, he rounds the decimal to the nearest whole number.



If both of the digits are odd, what combinations of decimals could he have?

What would they round to the nearest whole number?

