20.04.21

LO: To round numbers

Success Criteria

- Know what number you are rounding to
- Look next door
- Use the rhyme
- Round the number

* Find the number

Look next door 

5 or more, raise the score

4 or less, let it rest

Starter

Round these numbers to the nearest 10 and 100.

234 326 581 657 475

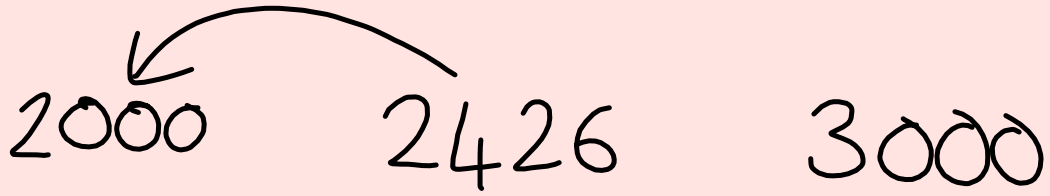
230 240

234

I do

2426

to the nearest 1000

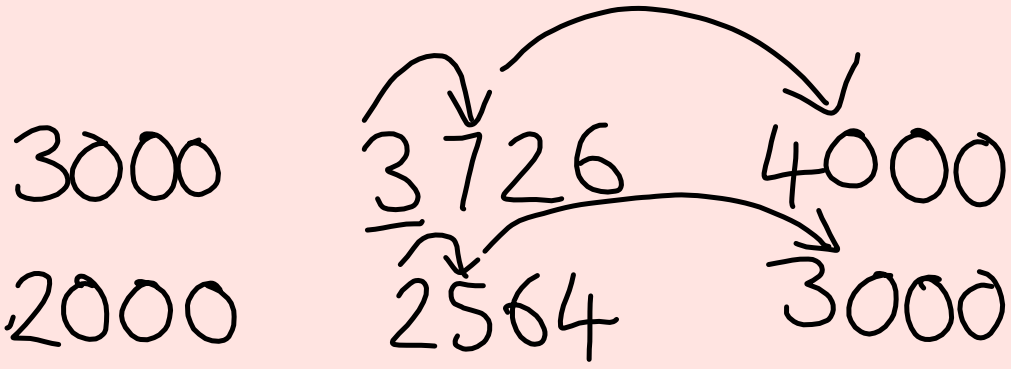


We do

3726

2564

to the nearest 1000



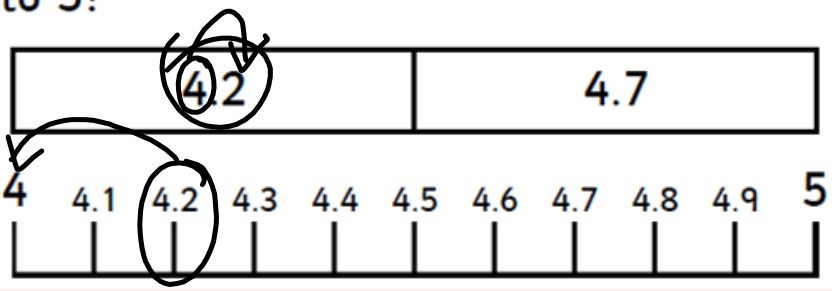
Today we are going to continue to round numbers with 1 decimal place to the nearest whole number.

You need to look at the digit in the tenths column to understand whether to round a number up or not.

If a number is exactly half-way, then we round up to the next integer.

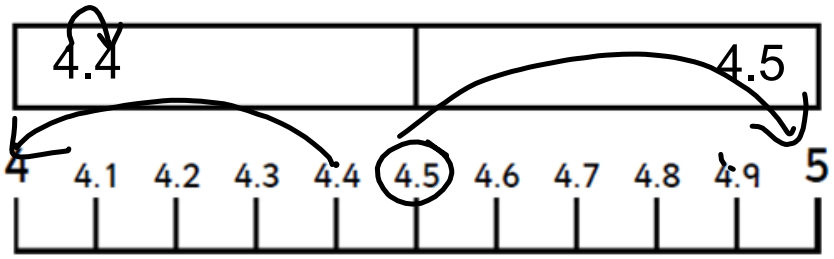
I do

1b. Which of these decimals is closest to 4? Which of these decimals is closest to 5?



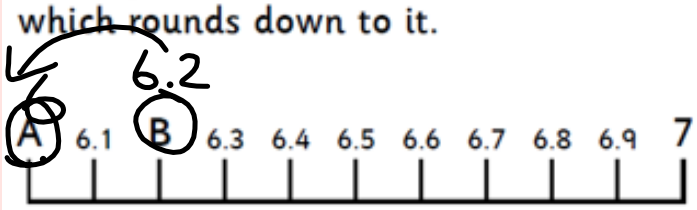
We do

1b. Which of these decimals is closest to 4? Which of these decimals is closest to 5?



We do

2b. Fill in the number line with the missing whole number and the decimal which rounds down to it.

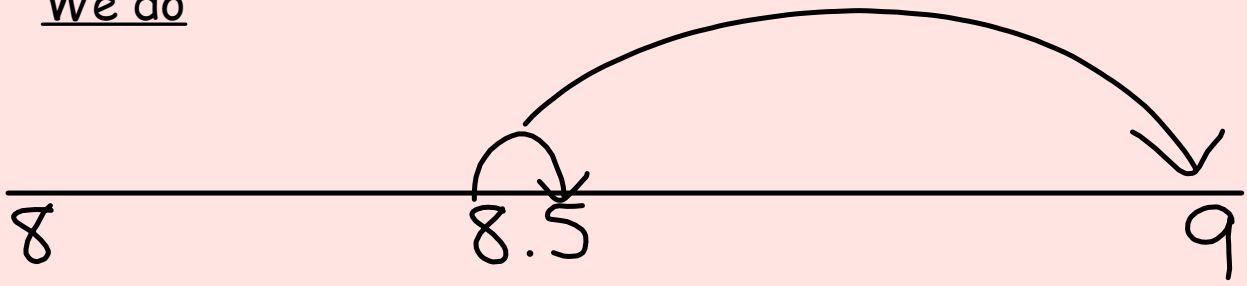


I do



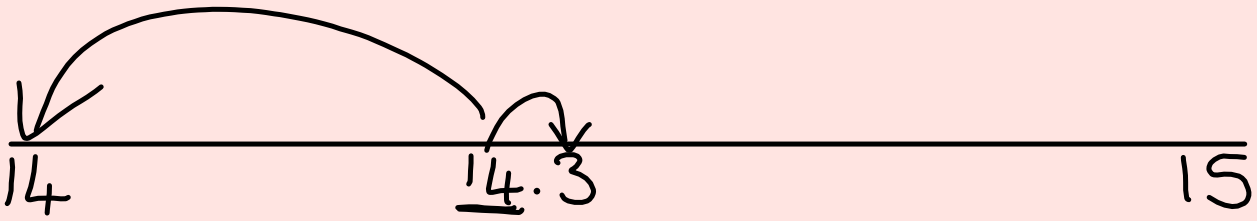
Round the number 16.2

We do



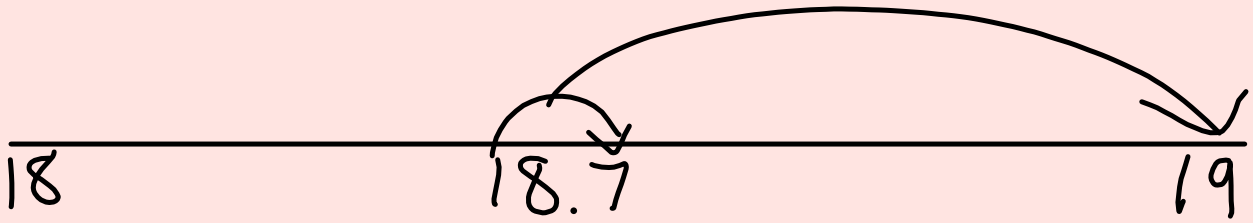
Round the number 8.5

I do



Round the number 14.3

We do



Round the number 18.7

We do

$$\begin{array}{r} 25.9 \\ +\,23.1 \\ \hline 49.0 \\ \hline 1 \end{array}$$

Two numbers with 1 decimal place round to 24 to the nearest whole number.
The numbers add together to make 49.
What could the two numbers be?

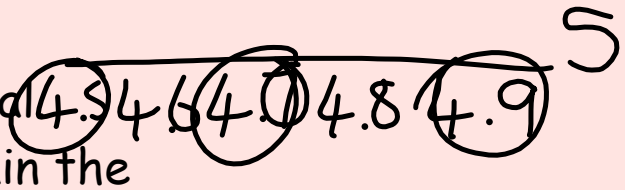
$$\begin{array}{r} 23.9 \\ +\,24.1 \\ \hline 48.0 \\ \hline 1 \end{array}$$

23.5

23.1 23.7 23.8 23.9 24 24.1 24.2 24.3 24.4

We do

Sam is thinking of a decimal
My decimal does not contain the number 3.
It rounds up to 5.
The number of tenths in my decimal is odd.
What is Sam's decimal?



You do

1

4b. Fill in the gaps using these decimals and whole numbers.

6	5.7	2.3	2

_____ rounds down to _____.

_____ rounds up to _____.

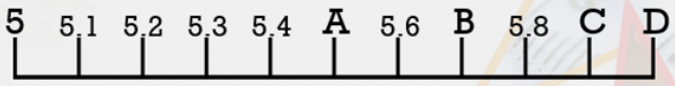
2

Which decimals round up to the nearest whole number?

3.4	2.9	2.1	3.9
1.6	0.7	8.3	9.3
2.7	7.5	6.6	2.5
4.1	6.8	3.5	4.2

3

Fill in the number line with the missing whole number and the decimals which round up to it.

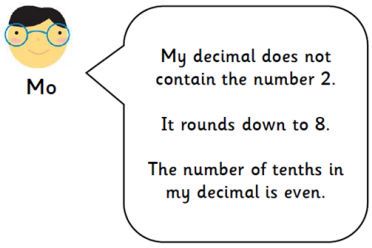


You do

Two numbers with 1 decimal place round to 23 to the nearest whole number.
The numbers add together to make 46.

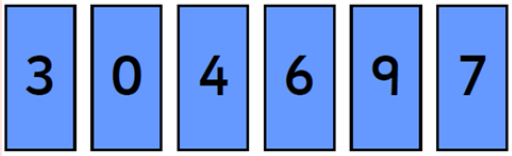
What could the two numbers be?

6b. Mo is thinking of a decimal.



What is Mo's decimal?

4b. Trey used number cards to make three decimals, but then his cards got mixed up!



He remembers that his decimals rounded to 5, 6 and 1.
What might have been the three decimals Trey made?