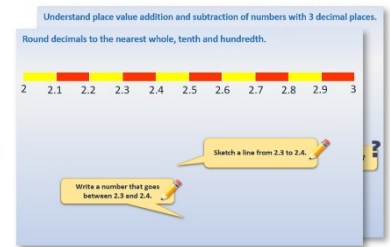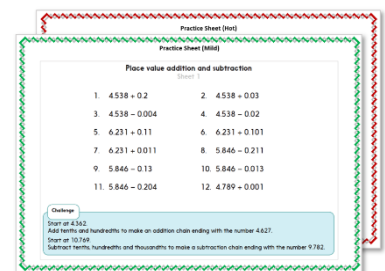# Year 5: Week 2, Day 2
Decimals: Rounding to the nearest tenth and whole

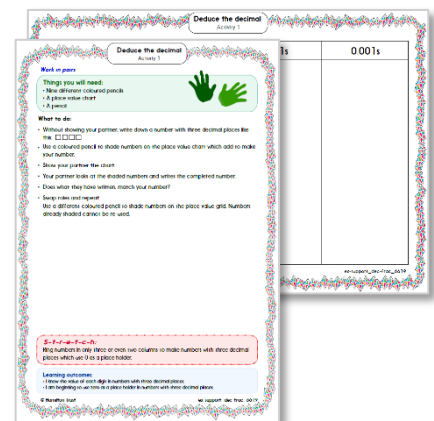**Each day covers one maths topic. It should take you about 1 hour or just a little more.**

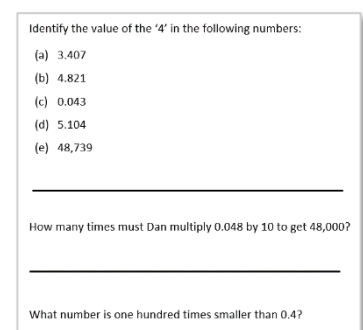1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.

2. Tackle the questions on the **Practice Sheet**. There might be a choice of either Mild (easier) or Hot (harder)! Check the answers.

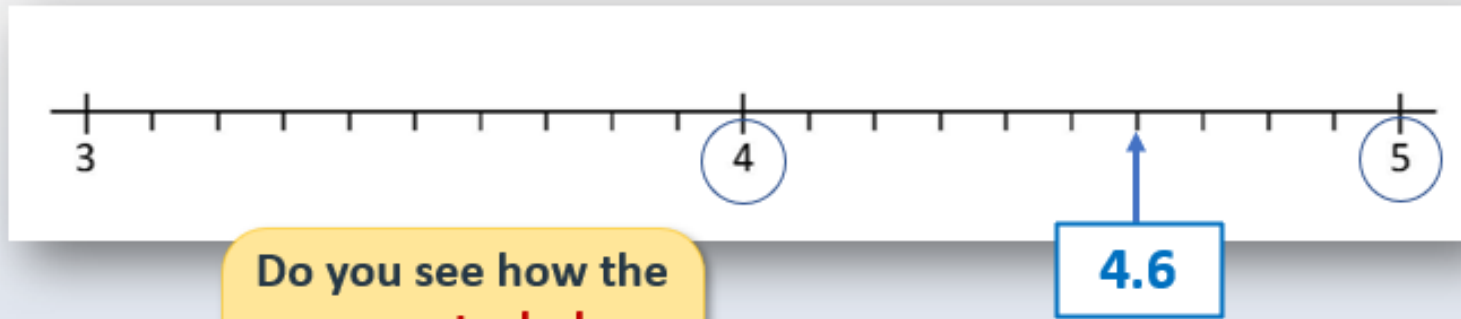3. Finding it tricky? That's OK… have a go with a grown-up at **A Bit Stuck?**

4. Have I mastered the topic? A few questions to **Check your understanding**. Fold the page to hide the answers!

Learning Reminders

Round 1-place decimals to the nearest whole.

I've marked on 4.6

Do you see how the nearest whole number to 4.6 is 5, not 4?

Which whole number would 3.3 round to?
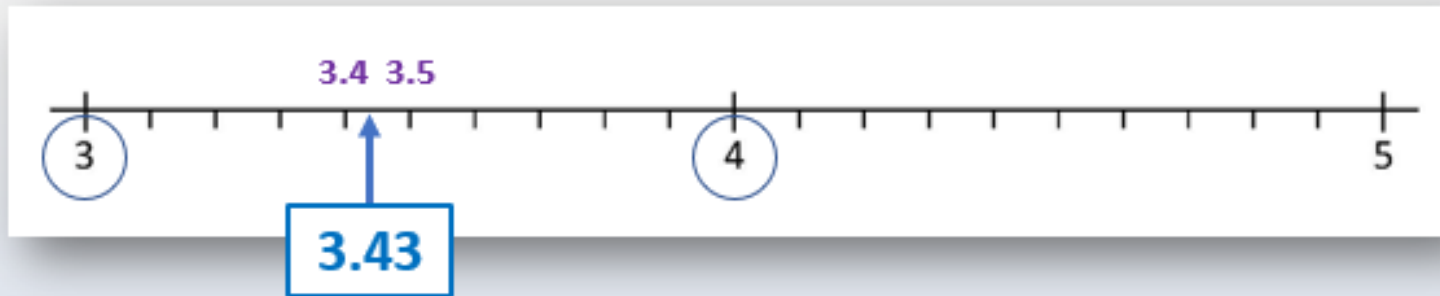
It rounds down to 3.

Which whole number would 4.5 round to?

*Don't forget that **halfway** numbers round **up**. So, 4.5 rounds up to 5 as the **nearest whole**.*

Learning Reminders

Round 2-place decimals to the nearest tenth or whole.

I've marked on 3.43

3.4 3.5

3 4 5

3.43

Do you see how the **nearest whole number** is **3**, not 4?

- If we want to round 3.43 to the **nearest tenth**, look at the tenths numbers on either side... 3.4 and 3.5.
- How far along is 3.43 between 3.40 and 3.50?
- *Not* halfway (that would be 3.45) so it rounds down to **3.4**.

Learning Reminders

Place numbers with 2 decimal places on a line; round to the nearest tenth or whole.

1
2

1. Look at the **whole** numbers at either end of this line...

2. Label the **tenths** that are landmarked.

3. Estimate the missing number.

Which **tenths** number does the missing number round to?
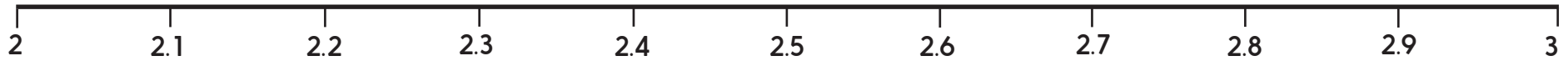
It rounds down to 1.7

Which **whole** number does the missing number round to?

It rounds up to 2

Practice Sheet Mild
Placing and rounding decimals

Mark the numbers in the table on the line. Then round them to the nearest tenth and whole number.

```
2      2.1     2.2     2.3     2.4     2.5     2.6     2.7     2.8     2.9     3
```

Number	Nearest tenth	Nearest whole
2.49		
2.25		
2.05		
2.53		
2.94		
2.06		
2.31		
2.86		
2.75		
2.17		

Practice Sheet Hot
Placing and rounding decimals

Mark the numbers in the table on the line. Then round them to the nearest tenth and whole number.
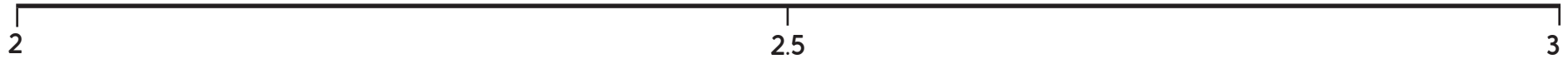What other marks or numbers could you put on the line to help you?

2   2.5   3

Number	Nearest tenth	Nearest whole
2.49		
2.78		
2.25		
2.53		
2.94		
2.06		
2.31		
2.86		
2.65		
2.17		

Challenge

Mark the following numbers on the line:
a) The smallest 2-place decimal that rounds up to 2.5 as the nearest tenth.
b) The largest 2-place decimal that rounds down to 3 as the nearest whole.