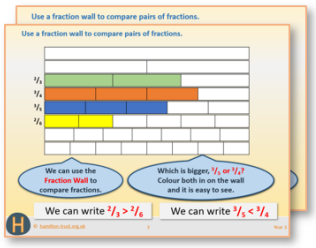
Year 5: Week 5, Day 3

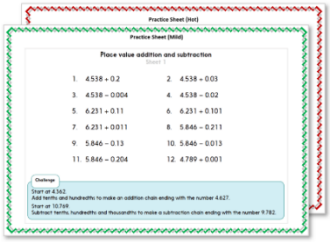
Subtract pairs of numbers with one decimal place

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

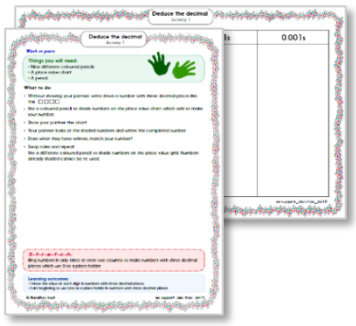
1. Start by reading through the **Learning Reminders**.
   They come from our *PowerPoint* slides.



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

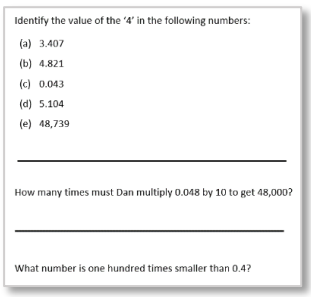


3. Finding it tricky? That's OK… have a go with a grown-up at **A Bit Stuck?**



4. Think you've cracked it? Whizzed through the Practice Sheets? Have a go at the **Investigation**…

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



Learning Reminders

Subtract pairs of 2-digit numbers with one decimal place.

We can use our strategies for subtracting whole numbers for subtracting decimals.

98 - 21 e.g. Subtract 20, then 1.

So how could you solve 9.8 - 2.1?

Subtract 2, then 0.1.

46 - 19 e.g. Count back to subtract 20, then adjust by adding 1.

So how could you solve 4.6 - 1.9?

Count back to subtract 2, then adjust by adding 0.1.

58 - 32 e.g. Count back to subtract 30, then another 2.

So how could you solve 5.8 - 3.2?

Count back to subtract 3, then another 0.2.

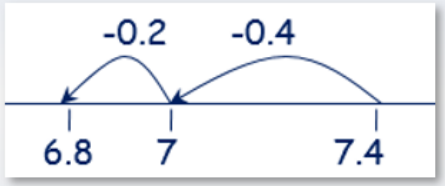
Learning Reminders

Subtract pairs of 2-digit numbers with one decimal place.

74 - 6

e.g. Count back to subtract 4, then another 2 to 'bridge' 70.

So how could you solve 7.4 - 0.6?

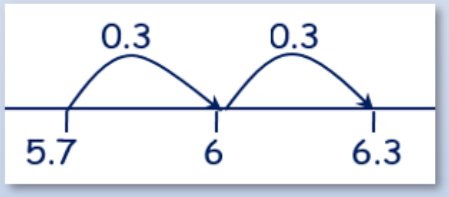


Count back to subtract 0.4, then another 0.2 to 'bridge' 7.

63 - 57

e.g. Count up using *Frog* from 57 to 60, then to 63.

So how could you solve 6.3 - 5.7?



Count up using *Frog* from 5.7 to 6, then to 6.3.

Learning Reminders

Subtract pairs of 2-digit numbers with one decimal place.

- So the strategies we learned to subtract pairs of **2-digit whole numbers** can be used to subtract **2-digit numbers with one decimal place** too.
- Look at the previous examples and think how you would solve each of these calculations:

8.2 - 6.7 **6.5 - 2.2** **9.2 - 0.8**

- **Now check our suggested strategies below…**

Suggested strategies:

8.2 – 6.7 count up using 'Frog' (= 1.5)

6.5 – 2.2 count back 2, then another 0.2 (= 4.3)

9.2 – 0.8 count back 1, then add 0.2 to **adjust** (= 8.4)

Practice Sheet Mild

Decimal subtractions

Choose whether to count back or count up (Frog) to work out the answers to these subtractions.

1. 8.2 – 5.6
2. 7.5 – 0.7
3. 9.4 – 2.1
4. 6.3 – 5.5
5. 5.4 – 1.9
6. 7.3 – 6.8
7. 9.2 – 0.5
8. 4.2 – 3.9
9. 6.5 – 2.3
10. 8.3 – 0.7
11. 10 – 4.9
12. 8.5 – 5.7

Challenge

Now write two decimal subtractions where you would **count back** to find the answers.
Write two decimal subtractions where you would **count up** (Frog) to work out the answers.
Muddle them up and share with a partner. Can they say which subtractions you would work out using counting back and which you would work out using counting up?

Practice Sheet Hot

Decimal subtractions

Choose whether to count back or count up (Frog) to work out the answers to these subtractions.

1. 9.2 – 0.5
2. 4.2 – 3.9
3. 6.5 – 2.3
4. 8.3 – 0.7
5. 10 – 4.9
6. 8.5 – 5.7
7. 12.6 - 8.3
8. 14.3 - 11.6
9. 10.4 - 0.5
10. 17.6 - 1.9
11. 20 - 12.4
12. 23.8 - 17.2

Challenge

Now write two decimal subtractions where you would **count back** to find the answers.
Write two decimal subtractions where you would **count up** (Frog) to work out the answers.
Muddle them up and share with a partner. Can they say which subtractions you would work out using counting back and which you would work out using counting up?