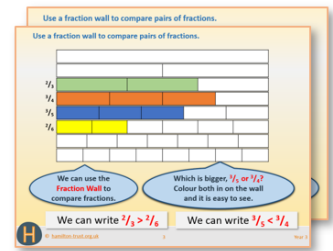


# Year 5: Week 4, Day 1

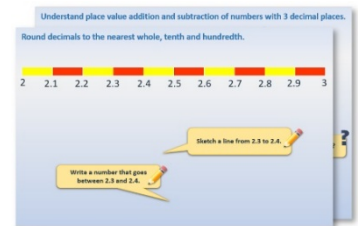
## Column addition of 4-digit and 5-digit numbers

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

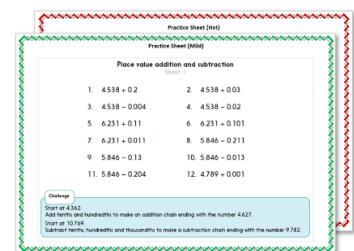
1. If possible, watch the **PowerPoint presentation** with a teacher or another grown-up.



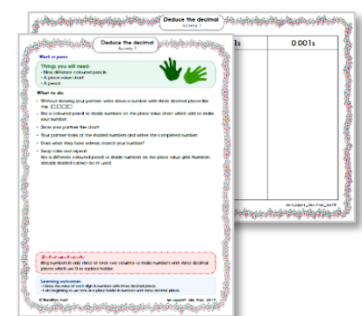
OR start by carefully reading through the **Learning Reminders**.



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**...

## Learning Reminders

Revise column addition of 4-digit and 5-digit numbers.

$$4267 + 2784 + 3832$$

$$8723 + 5265$$

$$23,451 + 18,325$$

$$67,342 + 8352$$



Which do you think will have the biggest answer and the smallest answer?

What were your strategies for estimating these answers?



Rounding numbers to the nearest 1000 is helpful.

$$4000 + 3000 + 4000 = 11,000$$

$$9000 + 5000 = 14,000$$

$$23,000 + 18,000 = 41,000$$

$$67,000 + 8000 = 75,000$$

## Learning Reminders

Revise column addition of 4-digit and 5-digit numbers.

$$4267 + 2784 + 3832$$

$$8723 + 5265$$

$$23,451 + 18,325$$

$$67,342 + 8,352$$

Remember to leave a blank row above the answer line.

$$\begin{array}{r} 4267 \\ 2784 \\ + 3832 \\ \hline 111 \\ 10883 \end{array}$$

Add the 1s, then the 10s, then the 100s, then the 1000s.

This is very similar to adding a pair of 4-digit numbers; not harder, just longer - we just have more digits to add.

## Learning Reminders

Revise column addition of 4-digit and 5-digit numbers.

$$4267 + 2784 + 3832$$

$$8723 + 5265$$

$$23,451 + 18,325$$

$$67,342 + 8,352$$

Remember to leave a blank row above the answer line.

$$\begin{array}{r} 67342 \\ + 8352 \\ \hline 1 \\ 75694 \end{array}$$

It's really important to align the numbers to the right, according to their place value.

## Practice Sheet Mild

### Column addition

Look down the additions.

Decide which will have the largest answer. Make a note of it.

Decide which will have the smallest answer. Make a note of it.

Now find each total. Watch out! They do not all need column addition!

1.  $4678 + 2372 + 1352$

2.  $5234 + 6024 + 3528$

3.  $43,271 + 28,345$

4.  $32,846 + 24,758$

5.  $63,278 + 6831$

6.  $45,734 + 9999$

## Practice Sheet Hot

### Column addition

Look down the additions.

Decide which will have the largest answer. Make a note of it.

Decide which will have the smallest answer. Make a note of it.

Now find each total. Watch out! They do not all need column addition!

1.  $4583 + 45,274$
2.  $8572 + 4782 + 5837$
3.  $6934 + 5047 + 8739$
4.  $86,489 + 76,431$
5.  $92,371 + 30,004$
6.  $45,273 + 23,542 + 13,258$
7.  $45,624 + 57,432 + 9467$
8.  $5632 + 3789 + 2745 + 3846$