

## Activity:

The aim of this activity is for children to practise adding two 4-digit numbers. There are three questions to complete. The first two questions allow children to practise the skill, while the third question extends them as they have to problem solve and explain their answer.

## Vocabulary:

**Exchanging** can occur when completing calculations. It may also be known as 'carrying' or 'borrowing' depending on the calculation involved. In addition, an exchange happens when a place value column has a value of 10 or more. For example, if there are 8 ones + 4 ones, the ones column will have a total of 12 counters. You cannot have 12 ones in that column, so 10 ones counters must be exchanged for 1 ten counter, leaving 2 ones counters in the ones column. This is the case for any column: if there is a value of 10 or more in one column, the 10 is exchanged for one counter in the column to the left.

## Supporting resources:

You can watch a video tutorial about adding two 4-digit numbers on [<u>kids.classroomsecrets.co.uk</u>](https://kids.classroomsecrets.co.uk) >> **Year 4** >> **Maths** >> **Addition and Subtraction** >> **Video Tutorials**.

You can watch the answer explanation video which takes children through this activity and ways to answer it on [https://www.youtube.com/user/ClassroomSecretsLtd/](https://www.youtube.com/user/ClassroomSecretsLtd/playlists) **playlists** >> **Year 4 Playlist** >> **Count in 5s Answer Explanation**.

## Other resources:

If your child enjoyed this activity and wants to try more activities linked to this learning, you can sign up for £4.83 per month on [<u>classroomsecrets.co.uk/membership</u>](https://classroomsecrets.co.uk/membership).

**Check out our daily timetable for Year 4 home learning activities on [<u>kids.classroomsecrets.co.uk</u>](https://kids.classroomsecrets.co.uk) >> Home Learning Timetable.**

## Add Two 4-Digit Numbers

1. A.

	4	8	6	1
+	3	1	3	9
	8	0	0	0
	1	1	1	

B.

	7	5	8	2
+	1	6	2	7
	9	2	0	9
	1	1		

C.

	5	2	0	8
+	3	7	9	2
	9	0	0	0
	1	1	1	

B has the fewest exchanges.

2. True, A. 5,100, B. 6,211, C. 7,217

3. Arthur is incorrect because  $3,754 + 3,778 = 7,532$ . The numbers should be:  $3,654 + 2,768 = 6,422$