

Today, we are revising written column addition

- Whole numbers
- Numbers up to 6 digits

Quick Quiz: use bridging to 10 eg $6+7$ is
 $6+4+3 = 13$

- $6 + 7$
- $7 + 4$
- $9 + 6$
- $3 + 9$
- $4 + 8$
- $5 + 6$
- $8 + 9$

Answers

- $6 + 7 = 13$
- $7 + 4 = 11$
- $9 + 6 = 15$
- $3 + 9 = 12$
- $4 + 8 = 12$
- $5 + 6 = 11$
- $8 + 9 = 17$

$$3764 + 2568 =$$

- Would you use any of the mental strategies learnt yesterday?
- No. Why?

- Because the numbers are large and they are complex in the sense that every digit has a different value and there are 3 times that re-grouping need to happen.
- If it was $3000 + 2000$,
- or $3000 + 2002$
- or $3005 + 2002$
- these would all suit mental methods.
- So now we use a formal written method.

Column addition

	Th	H	T	O
	3	7	6	4
+	2	5	6	8
	6	3	3	2
	1	1	1	

← Re-grouping

Try using column addition to work out the following...

A) $58,290 + 47,843 =$

B) $427,385 + 392,749 =$

C) In one year, a museum has 53,964 visitors.

This total **increases** by 17,485 in the next year.

How many people visit the museum in the second year?

Answers

A)

+

millions	Hundred thousands	Ten thousands	thousands	hundreds	tens	ones
		5	8	2	9	0
		4	7	8	4	3
	1	0	6	1	1	3
		1	1	1		

Answers

B)

+

millions	Hundred thousands	Ten thousands	thousands	hundreds	tens	ones
	4	2	7	3	8	5
	3	9	2	7	4	9
	8	2	0	1	3	4
	1	1	1	1	1	

Answers

C)

+

millions1	Hundred thousands	Ten thousands	thousands	hundreds	tens	ones
		5	3	9	6	4
		1	7	4	8	5
		7	1	4	4	9
		1	1	1		

Now try some independent practice.

- **Copy** the numbers carefully
- **Line the digits up** carefully underneath each other
- **Re-group** if needed
- **Record** your re-grouping carefully
- Add numbers **mentally accurately**: use bridging to 10 like in the quiz, add smaller numbers onto larger ones eg $9 + 3$ is easier than $3 + 9$
- Don't forget to add the re-grouped parts
- Double check at the end