

Maths lesson 1

The column method is one of the most efficient methods for addition, subtraction and multiplication. Reason why:

Use the column method to complete:

1. $6257 + 762 =$ _____

2. $7152 + 790 =$ _____

3. $092 + 9284 =$ _____

4. _____ $= 827 + 9995$

Maths lesson 2

Use the column method to complete the following:

1. $6257 - 762 = \underline{\hspace{2cm}}$

2. $7902 - 999 = \underline{\hspace{2cm}}$

3. $9292 - 6408 = \underline{\hspace{2cm}}$

4. $\underline{\hspace{2cm}} = 7373 - 897$

5. $\underline{\hspace{2cm}} = 2272 - 99$

Maths lesson 3

Use the column method to complete the following:

1. $6257 \times 12 =$ _____

2. $902 \times 89 =$ _____

3. $1010 \times 110 =$ _____

4. _____ $= 7373 \times 15$

5. _____ $= 2272 \times 7$

Maths lesson 4

You have a stick of 7 interlocking cubes. You cannot change the order of the cubes. You break off a bit of it leaving it in two pieces. In how many different ways can it be done?

Now try with a stick of 8 cubes and a stick of 6 cubes:

Make a table of your results like this:

Number of cubes	Number of ways
6 cubes	
7 cubes	
8 cubes	

Now predict how many ways there will be with 5 cubes. Test your prediction out!
Were you right?

Maths lesson 5

Use your column method skills, to solve the word problems.

- 1) There are 193 bumper cars. Each car holds 2 people. How many people altogether?

- 2) 300 boys go on a ride. It costs 19p a ride. How much did it cost altogether?

- 3) Mark, Rob and Darren went to the fair. Mark and Rob went on the ghost train. It cost £2.45p each. How much did it cost altogether?

- 4) Darren is in the queue for the waltzers. He is fifth from the back and there are 207 people in the queue. How many people are in front of him?

- 5) In order to go on the roller coaster you have to be 3.50m tall. Darren is 161cm, Rob is 148cm and Mark is 135cm. Who can go on the ride? How much more do the others need to grow before the fair returns to town?

- 6) The roller coaster holds 16 people in a carriage. There are 88 carriages. How many people will be on a full ride?