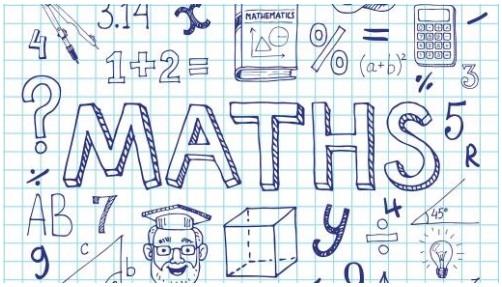


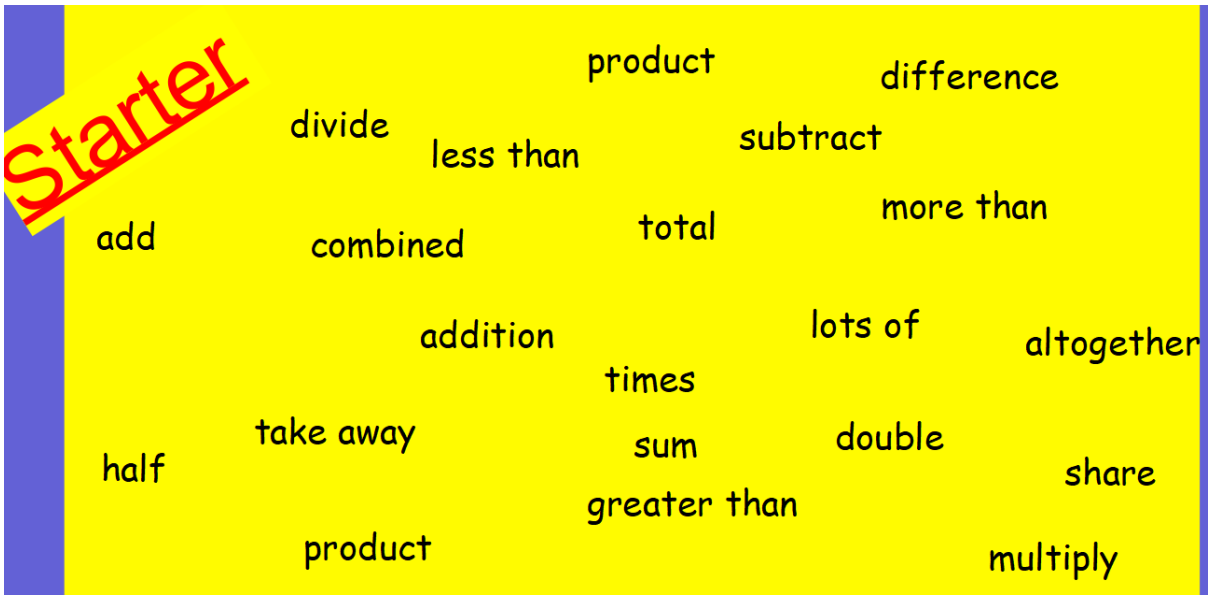
Lesson 1- Consolidation

Addition using the column method

This week we will be consolidating the methods we use for the 4 operations (addition, subtraction, multiplication and division).

In today's work, you will focus on addition.

Circle the words that mean the same as add +



Let's have a look at our school's calculation policy on addition- This is how we should be setting it out.

Formal written compact method (without having to regroup)

4 654 843 + 1 325 156 =

```
  4 654 843
+ 1 325 156
  5 979 999
```

Formal written compact method (with regrouping)

784 379 + 233 8 75 =

```
  784 379
+ 233 875
  1 018 254
  1 1  1  1
```

Extend to numbers with any number of digits and decimals numbers. Can use a number line also to support if necessary.

567.789 + 339.21 =

```
  567.789
+ 339.21
  906.999
  11
```

Revert to expanded methods if the children experience any difficulty.

Steps to success

- Line up digit correct in the correct place value column.
- Start adding from the ones.
- If your total exceeds 10 then regroup by making sure you carry it forward.
- Put the digit at the bottom of the next column.
- Add he next column and make sure you add on your number which you carried forwards

Task 1

) Add the following, using a column method; set your addition and answer in the box below:

45 089 + 3902	213 062 + 92 873	52 817 + 3920 + 491

Task 2

Sort these mathematical statements into the table shown below.

Numbers have to be added in size order (e.g. largest to smallest).

You should always add the ones column first.

Line up all digits in place value columns neatly.

Don't forget to add any amounts that you have exchanged.

If you swap the digits around when you exchange, it makes no difference.

The sum is always the greatest number.

Applies to addition	Doesn't apply to addition

Task 3

Use the place value counters to add the numbers below.

10,000s	1,000s	100s	10s	1s
●●●●● ●●●	●●● ●●●	●●●●		●●●● ●●●

+

10,000s	1,000s	100s	10s	1s
●●●	●●	●●●● ●●●●	●●●●	●●● ●●●

Task 4

True or false?

	2	3	3	1	6
		4	0	8	4
+	5	1	2	2	5
	7	8	6	2	5
			1	1	

Task 5

Complete the bar models below.

A.

B.