



Mathematics

Triangles and Squares

Addition

This week we are going to revise addition.

We can work out addition sum using the mental strategies we have learned through Number Talks.

Sometimes, numbers are too big to work out mentally so we have to be able to use a different method. This is known as column addition

The **column** method of **addition** involves:

1. Placing the numbers one on top of the other, lining up the thousands, hundreds, tens and units in **columns**.
2. The second step is to add the numbers in the **columns** together and if needed regroup (also known as carrying) the digits according to place value.

There are examples for you to follow but please email gw14reillyelaine@glow.sch.uk if you have any problems.

Task 1

When we add using column addition, it is **extremely important** that you line the numbers up in the correct column. This is why it should **always** be one digit per box in your maths jotters.

We always start with the **units** column:

	H	T	U
	2	1	6
+	4	7	3
<hr/>			
	6	8	9
<hr/>			

For the sum above,

we start with the **units** column, $6+3$

Then we move onto the **tens** column $7 + 1$

Then we move to the **hundreds** column $4 + 2$

Remember to start with the biggest number when adding, can you see I started with the 6, 7 and 4?

Copy and complete:-

- Make sure numbers are in the correct column.
- Remember to start at the units column.

$$\begin{array}{r} \text{a. } 104 \\ + 123 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b. } 429 \\ + 260 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c. } 315 \\ + 134 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d. } 426 \\ + 172 \\ \hline \end{array}$$

$$\begin{array}{r} \text{e. } 506 \\ + 391 \\ \hline \end{array}$$

$$\begin{array}{r} \text{f. } 572 \\ + 225 \\ \hline \end{array}$$

$$\begin{array}{r} \text{g. } 637 \\ + 52 \\ \hline \end{array}$$

$$\begin{array}{r} \text{h. } 901 \\ + 87 \\ \hline \end{array}$$

$$\begin{array}{r} \text{i. } 856 \\ + 40 \\ \hline \end{array}$$

Task 2

Line up each addition sum, then work out the answer:-

a. $215 + 372$

b. $148 + 531$

c. $356 + 423$

d. $482 + 311$

e. $677 + 210$

f. $888 + 110$

g. $901 + 67$

h. $203 + 15$

i. $321 + 7$

Task 3

Addition with carrying

Can you remember we did them in class?

Addition in Hundreds (with carrying)

Example Add :- $328 + 297$.

Set down like this :-

$$\boxed{328 + 297 = 625}$$

This can be written as

H	T	U
3	2	8
+2	9	7
<hr/>		
6	2	5

Adding whole numbers up to 3 digits with "carrying".

$7 + 8 = 15$
= 5 units
carry 1 (ten)

$1 + 9 + 2 = 12$
= 2 tens
carry 1 (hundred)

* Remember to line up the numbers

* Remember to add the numbers you have carried

The most important things to remember when adding with carrying is:

Line up the numbers in the correct column –
Th H T U

Remember to add the numbers you have carried.

Always check your calculation

Copy and complete:-

- Make sure numbers are in the correct column.
- Remember to add the number you have carried.

$$\begin{array}{r} \text{a. } 1108 \\ + 1135 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b. } 2437 \\ + 1129 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c. } 3348 \\ + 1442 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d. } 1666 \\ + 2219 \\ \hline \end{array}$$

$$\begin{array}{r} \text{e. } 1545 \\ + 2367 \\ \hline \end{array}$$

$$\begin{array}{r} \text{f. } 2419 \\ + 2492 \\ \hline \end{array}$$

$$\begin{array}{r} \text{g. } 2801 \\ + 5109 \\ \hline \end{array}$$

$$\begin{array}{r} \text{h. } 3444 \\ + 2366 \\ \hline \end{array}$$

$$\begin{array}{r} \text{i. } 1999 \\ + 111 \\ \hline \end{array}$$

Task 4

Line up each addition sum, then work out the answer:-

a. $2234 + 1346$

b. $1456 + 5108$

c. $3567 + 1228$

d. $4119 + 1449$

e. $5450 + 2150$

f. $2255 + 3555$

g. $7903 + 189$

h. $1903 + 30$

i. $1899 + 15$