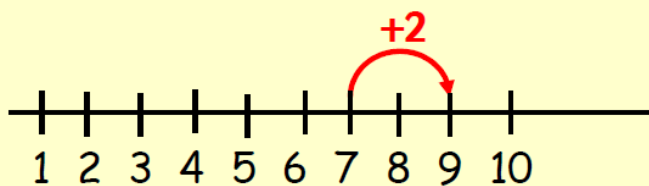


Addition

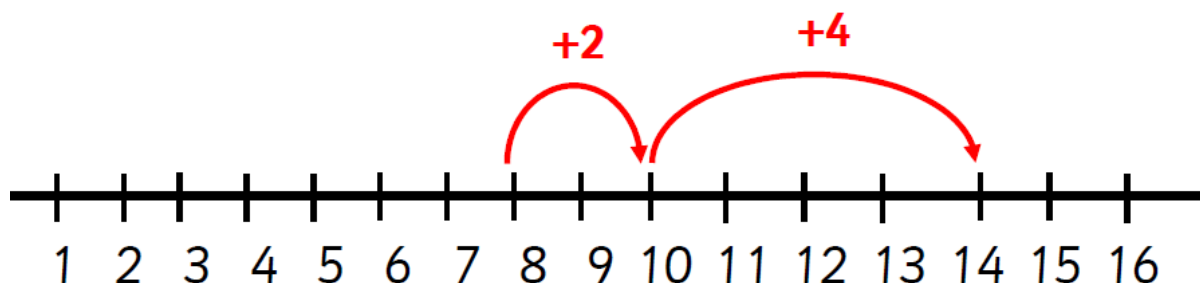
Addition is used to calculate the **total** or **sum** of two or more numbers. When things are joined together, we also do addition. The sign used for addition is called **plus (+)**.

Example: $7 + 2 = 9$
 $2 + 7 = 9$

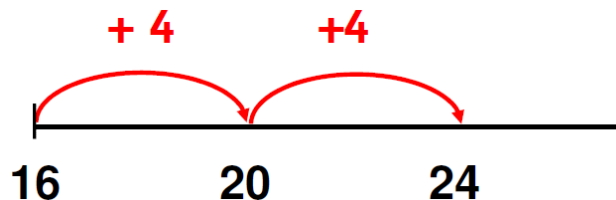


The same method of **COUNTING ON** can be used for more than two numbers.

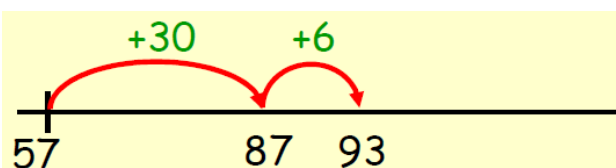
Examples: $2 + 4 + 8 = 14$
 $8 + 2 + 4 = 14$



$16 + 8 = 24$
 $16 + 4 + 4 = 24$



$57 + 36 = 93$
 $57 + 30 + 6 = 93$



The **CARRYING** Method can be used to get the same answers.

T	U	T	U
1		1	
1	6 +	5	7 +
<u> </u>	8	<u> </u>	6
2	4	8	6

Addition

In order to use the **CARRYING** method the numbers should be lined up on top of each other in their correct number place.

$$\begin{array}{r} \text{T} \quad \text{U} \\ 1 \\ 3 \quad 7 + \\ \hline 4 \quad 8 \\ \hline 8 \quad 5 \end{array}$$

1. First start by adding the values in the **Units** or Ones column.
2. Write down the unit in the **Units** column and take that extra **1** and CARRY it in the **Tens** column.
3. Finally just add the **Tens** column together with **1**.

Three digit numbers can also be added together using the same **CARRYING** method used for adding two digit numbers.

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{U} \\ 1 \quad 1 \\ 2 \quad 9 \quad 9 + \\ \hline 1 \quad 4 \quad 4 \\ \hline 4 \quad 4 \quad 3 \end{array}$$

$$\begin{array}{r} \text{Th} \quad \text{H} \quad \text{T} \quad \text{U} \\ 1 \quad 1 \quad 1 \\ \quad 6 \quad 2 \quad 5 + \\ \hline \quad 3 \quad 7 \quad 5 \\ \hline 1 \quad 0 \quad 0 \quad 0 \end{array}$$

More than two number can be piled up on top of each other as long as the numbers are still in their correct place value when stacked. When adding decimals the decimal points should line up under one another.

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{U} \\ 1 \quad 1 \\ 7 \quad . \quad 3 \quad 9 + \\ 1 \quad . \quad 6 \quad 2 \\ \hline \quad \quad 2 \quad 3 \\ \hline 9 \quad . \quad 2 \quad 4 \end{array}$$

$$\begin{array}{r} \text{Th} \quad \text{H} \quad \text{T} \quad \text{U} \\ 2 \quad 1 \quad 1 \\ \quad 3 \quad 8 \quad 1 + \\ \quad 9 \quad 1 \quad 1 \\ \hline \quad 8 \quad 6 \quad 8 \\ \hline 2 \quad 1 \quad 6 \quad 0 \end{array}$$

2 is CARRIED in the **Th**ousands column since the sum of **1 + 3 + 9 + 8** is **21**.

Addition Worksheet

Fill in:

a) $17 + 3 = \underline{\quad}$

b) $45 + 15 = \underline{\quad}$

c) $12 + 12 = \underline{\quad}$

d) $100 + 57 = \underline{\quad}$

Write the next two numbers in these sequences:

a) 3, 6, 9, 12, , .

b) 5, 9, 13, 17, , .

c) 100, 150, 200, 250, , .

d) 1, 3, 5, 7, , .

Add the two numbers together:

Add the Units (ones) column first then add the Tens.

T	U
4	4
+ 2	2
<hr/>	

T	U
7	9
+ 1	5
<hr/>	

T	U
2	8
+ 2	2
<hr/>	

Add the Units (ones) column first, then the Tens and the Hundreds.

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

H	T	U
1	9	8
+ 5	3	8
<hr/>		

H	T	U
4	4	2
+ 2	0	8
<hr/>		

H	T	U
1	4	5
5	4	3
+ 3	1	1
<hr/>		

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

H	T	U
8	8	2
7	5	1
+ 8	8	8
<hr/>		

Work out the following. Show your working in the space provided.

$\text{€ } 4.77 + \text{€ } 2.33 = \text{€ } \underline{\quad\quad\quad}$

Addition Worksheet

Fill in:

a) $17 + 3 = \underline{20}$

b) $45 + 15 = \underline{60}$

c) $12 + 12 = \underline{24}$

d) $100 + 57 = \underline{157}$

Write the next two numbers in these sequences:

a) 3, 6, 9, 12, 15, 18.

b) 5, 9, 13, 17, 21, 25.

c) 100, 150, 200, 250, 300, 350.

d) 1, 3, 5, 7, 9, 11.

Add the two numbers together:

Add the Units (ones) column first then add the Tens.

$$\begin{array}{r} \text{T} \quad \text{U} \\ 4 \quad 4 \\ + \underline{2 \quad 2} \\ \hline 6 \quad 6 \end{array}$$

$$\begin{array}{r} \text{T} \quad \text{U} \\ 7 \quad 9 \\ + \underline{1 \quad 5} \\ \hline 9 \quad 4 \end{array}$$

$$\begin{array}{r} \text{T} \quad \text{U} \\ 2 \quad 8 \\ + \underline{2 \quad 2} \\ \hline 5 \quad 0 \end{array}$$

Add the Units (ones) column first, then the Tens and the Hundreds.

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{U} \\ 4 \quad 7 \quad 3 \\ + \underline{3 \quad 2 \quad 1} \\ \hline 7 \quad 9 \quad 4 \end{array}$$

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{U} \\ 1 \quad 9 \quad 8 \\ + \underline{5 \quad 3 \quad 8} \\ \hline 7 \quad 3 \quad 6 \end{array}$$

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{U} \\ 4 \quad 4 \quad 2 \\ + \underline{2 \quad 0 \quad 8} \\ \hline 6 \quad 5 \quad 0 \end{array}$$

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{U} \\ 1 \quad 4 \quad 5 \\ 5 \quad 4 \quad 3 \\ + \underline{3 \quad 1 \quad 1} \\ \hline 9 \quad 9 \quad 9 \end{array}$$

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{U} \\ 3 \quad 2 \quad 3 \\ 2 \quad 4 \quad 6 \\ + \underline{1 \quad 4 \quad 4} \\ \hline 7 \quad 1 \quad 3 \end{array}$$

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{U} \\ 8 \quad 8 \quad 2 \\ 7 \quad 5 \quad 1 \\ + \underline{8 \quad 8 \quad 8} \\ \hline 25 \quad 2 \quad 1 \end{array}$$

Work out the following. Show your working in the space provided.

$$\text{€ } 4.77 + \text{€ } 2.33 = \text{€ } \underline{7.10}$$

$$\begin{array}{r} \text{€ } 4.77 \\ + \text{€ } 2.33 \\ \hline \text{€ } 7.10 \end{array}$$