



# BJHS - Numeracy Newsletter - 1

Welcome to the first BJHS Numeracy Newsletter. This newsletter aims to promote numeracy skills amongst students and prepare them for using maths in everyday life.

In these newsletters we hope to get students and parents working on numeracy together; through examples, guides, games and competitions.

For more numeracy information, visit the school website and go to the Numeracy page where you will find ideas, all these newsletters and links to BBC Skillswise "how to" guides stepping you through the world of maths.

## Addition Example

**Step 1:**  
Write it out.

$$\begin{array}{r} 36 \\ +14 \\ \hline \\ \hline \end{array}$$

**Step 2:**  
Add together the units.

Carry the tens over into the next column.

$$\begin{array}{r} 36 \\ +14 \\ \hline 0 \\ \hline \end{array}$$

**Step 3:**  
Add together the tens.

Remember to add the ten we carried over.

$$\begin{array}{r} 36 \\ +14 \\ \hline 50 \\ \hline 1 \end{array}$$

Now it's your turn. Work with your child through the following sums. Can you answer them all? Make sure your child explains their thinking as they go along as describing the thought process helps their understanding.

These questions are suitable from Primary upwards, but anyone can try them. Can you get the answers?

1. 
$$\begin{array}{r} 14 \\ + 3 \\ \hline \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 45 \\ + 8 \\ \hline \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 38 \\ +26 \\ \hline \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 49 \\ +37 \\ \hline \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 155 \\ +125 \\ \hline \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 264 \\ +237 \\ \hline \\ \hline \end{array}$$

Ok. How about trying the same type of addition with this problem?

John has 25 games for his Xbox. He buys another 46 on EBay. How many games does he have now?

Use this box for your working.

## Subtraction Example 1

Step 1:  
Write it out.

$$\begin{array}{r} 36 \\ -14 \\ \hline \\ \hline \end{array}$$

Step 2:  
Take away the  
units.

$$\begin{array}{r} 36 \\ -14 \\ \hline 2 \\ \hline \end{array}$$

Step 3:  
Take away the  
tens.

$$\begin{array}{r} 36 \\ -14 \\ \hline 22 \\ \hline \end{array}$$

Now it's your turn. Work these out on paper although you may be able to do them in your head.

These questions are suitable from Primary upwards, but anyone can try them. Can you get the answers?

1.

$$\begin{array}{r} 9 \\ -3 \\ \hline \\ \hline \end{array}$$

2.

$$\begin{array}{r} 15 \\ -4 \\ \hline \\ \hline \end{array}$$

3.

$$\begin{array}{r} 46 \\ -21 \\ \hline \\ \hline \end{array}$$

4.

$$\begin{array}{r} 56 \\ -46 \\ \hline \\ \hline \end{array}$$

5.

$$\begin{array}{r} 258 \\ -147 \\ \hline \\ \hline \end{array}$$

6.

$$\begin{array}{r} 687 \\ -262 \\ \hline \\ \hline \end{array}$$

You need to know how to exchange to be able to do more difficult subtractions, like the ones below.

## Subtraction Example 2

Step 1:  
Write it out.

$$\begin{array}{r} 36 \\ -18 \\ \hline \\ \hline \end{array}$$

Step 2:  
You can't  
take away the  
units, so you  
have to  
exchange.

$$\begin{array}{r} 36 \\ -18 \\ \hline \\ \hline \end{array}$$

Step 3:  
Take a ten  
away from the  
tens column.  
Add 10 to the  
units column.

$$\begin{array}{r} \overset{2}{\cancel{3}}\overset{1}{6} \\ -18 \\ \hline \\ \hline \end{array}$$

Step 4:  
You now have  
2 in the tens  
column and 16  
in the units  
column -  
which adds up  
to 36.

$$\begin{array}{r} \overset{2}{\cancel{3}}\overset{1}{6} \\ -18 \\ \hline \\ \hline \end{array}$$

Step 5:  
Take away the  
units  
(16 - 8).

$$\begin{array}{r} \overset{2}{\cancel{3}}\overset{1}{6} \\ -18 \\ \hline 8 \\ \hline \end{array}$$

Step 5:  
Take away the  
tens  
(2 - 1).

$$\begin{array}{r} \overset{2}{\cancel{3}}\overset{1}{6} \\ -18 \\ \hline 18 \\ \hline \end{array}$$

These questions are suitable from Primary upwards, but anyone can try them. Can you get the answers?

7.

$$\begin{array}{r} 12 \\ -3 \\ \hline \\ \hline \end{array}$$

8.

$$\begin{array}{r} 18 \\ -9 \\ \hline \\ \hline \end{array}$$

9.

$$\begin{array}{r} 23 \\ -16 \\ \hline \\ \hline \end{array}$$

10.

$$\begin{array}{r} 45 \\ -37 \\ \hline \\ \hline \end{array}$$

11.

$$\begin{array}{r} 251 \\ -147 \\ \hline \\ \hline \end{array}$$

12.

$$\begin{array}{r} 640 \\ -262 \\ \hline \\ \hline \end{array}$$