**Multiples Activity 1**

1. Write out the first 6 multiples of each of the following:

(a) 3 (b) 9 (c) 12 (d) 14 (e) 15 (f) 19 (g) 23

1. Write down the multiples of 8 which are less than 90
2. Write down the multiples of 7 which are between 50 and 100
3. Write down the multiples of 18 which are less than 90
4. Write down the multiples of 28 which are between 110 and 250
5. Each of the following shows part of the multiples of a different number. In each case identify the number:  
   (a) ... 14, 16, 18, ... (b) ... 56, 64, 72, ... (c) ... 78, 91, 104, ... (d) ... 128, 144, 160, ...

(e) ... 144, 168, 192, ... (f) ... 128, 160, 192, ... (g) ...138, 165, 192, ... (e) ..., 192, 235, 278, ...

1. For each of the numbers identified in question 2 above ( parts (a) to (e) ) write out the next 3 multiples.
2. Find the value of each question mark in the following:  
   (a) ... 18, 27, 36, ? (b) ..., ?, 48, 54, 60, ... (c) ..., ?, 99, 108, 117, ?, ...   
   (d) ..., ?, 132, 143, 154, ?, ... (e) ..., ?, 104, 130, 156, ?, ... (f)
3. Find the LCM of each of the following:  
   (a) 3 and 7 (b) 3 and 7 (c) 6 and 8 (d) 10 and 12 (e) 4 and 13 (f) 7 and 15
4. Find the LCM of each of the following:  
   (a) 8 and 15 (b) 7 and 12 (c) 6 and 20 (d) 10 and 17 (e) 14 and 18 (f) 17 and 18
5. Find the LCM of each of the following:  
   (a) 2, 3 and 6 (b) 2, 4 and 7 (c) 4, 5 and 12 (d) 6, 7 and 14 (e) 5, 15 and 20
6. Bus A arrives at a bus stop every 15 minutes. Bus B arrives at the same bus stop every 25 minutes. If both buses arrive at the bus stop at 5pm, at what time will these two buses arrive at this bus stop again at the same time ?
7. There were a certain number of children in a class playing games. The two games they played were basketball and table tennis. When they played basketball all of the children were able to play with no child left out and no subs. When they played table tennis all of the children were able to play with no child left out and no subs. (We will assume that there were enough table-tennis tables for all to play at the same time). If there were less than 30 in all how many pupils were in the class ?