

## **Lowest Common Multiple**

- 1) a) List the first 10 multiples of 8.  
b) List the first 10 multiples of 6.  
c) What is the lowest common multiple of 6 and 8?
  
- 2) What is the lowest common multiple (LCM) of:  
a) 5 and 3  
b) 9 and 6  
c) 8 and 10  
d) 12 and 9  
e) 15 and 20  
f) 6 and 11?
  
- 3) a) Use a factor tree to find the prime factors of 66.  
b) Use a factor tree to find the prime factors of 40.  
c) Find the LCM of 40 and 60.
  
- 4) Find the LCM of:  
a) 28 and 30  
b) 16 and 24  
c) 20 and 25  
d) 60 and 50

- e) 12 and 18
- f) 21 and 35

5) Two lighthouses can be seen from the top of a hill. The first flashes once every 8 seconds, and the other flashes once every 15 seconds. If they flash simultaneously, how long is it until they flash again at the same time?

6) At a go-kart race track, Vic completes a lap in 40 seconds; Paul completes a lap in 30 seconds, and Mark completes a lap in 50 seconds.

If all three start a lap at the same time, how long is it before,

- a) Paul overtakes Vic,
- b) Vic Overtakes Mark?