



## Highest Common Factor (HCF) and Lowest Common Multiple (LCM) Worksheet

1. Find the **HCF** of
  - a. 18 and 12
  - b. 14 and 70
  - c. 108 and 78
  - d. 256 and 96
  - e. 42 and 140
  - f. 390 and 26
  - g. 380 and 38
  - h. 18 and 8
  - i. 210 and 100
  
2. Find the **LCM** of
  - a. 6 and 9
  - b. 24 and 32
  - c. 12 and 18
  - d. 21 and 70
  - e. 38 and 380
  - f. 39 and 260
  - g. 128 and 48
  - h. 54 and 78
  - i. 28 and 140
  
3. What is 250 written in index form?
  
4. Find the integers **a**, **b** and **c** when  $300 = 2^a \times 3^b \times 5^c$
  
5. There are 2 people, A and B, running in a circle. A completes one revolution in 4 minutes and B completes one revolution in 7 minutes. They start running together, after how much time will A and B meet at the starting point?
  
6. 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 at the same time, how long will it be until they flash at the same time again?
  
7. Billy wants to cut identical squares as big as he can from a piece of paper 168 mm by 196 mm. What is the length of each square?