

## HCF and LCM Worksheet Questions

Name: \_\_\_\_\_

Date: \_\_\_\_\_

### Easy

1. Find the HCF of 16 and 24.
2. Find the HCF of 28 and 42.
3. Find the LCM of 8 and 12.
4. Find the LCM of 15 and 18.
5. Find the smallest number divisible by both 14 and 35.

### Medium

1. Find the HCF of 54 and 72 using prime factorisation.
2. Find the LCM of 12, 18 and 24.
3. Find the HCF of 36, 48 and 60.
4. The HCF of two numbers is 10 and their product is 1200. Find their LCM.
5. LCM of two numbers is 180 and HCF is 12. One number is 36. Find the other number.

### Advanced

1. Find the least number which is exactly divisible by 24, 30 and 36.
2. Find the greatest number that divides 96, 132 and 168 exactly.

3. Three buses leave a station every 15 minutes, 20 minutes and 30 minutes. They leave together at 8:00 AM. When will they leave together again?
4. Find the HCF and LCM of 72, 108 and 180.
5. Find the greatest number that divides 150, 250 and 350 leaving the same remainder in each case.

**Answer Key**

Easy: 1 - 8, 2 - 14, 3 - 24, 4 - 90, 5 - 70

Medium: 1 - 18, 2 - 72, 3 - 12, 4 - 120, 5 - 60

Advanced: 1 - 360, 2 - 12, 3 - 9:00 AM, 4 - HCF = 36 & LCM = 1080, 5 - 100