

HCF: Highest Common Factor

The factors of 12 are 1, 2, 3, 4, **6**, 12.

The factors of 30 are 1, 2, 3, 5, **6**, 10, 15, 30.

The HCF of 12 and 30 is 6. This is because it is the highest factor that is common to both.

LCM: Lowest Common Multiple

Multiples of 8 are 8, 16, **24**, 32, 40 ...

Multiples of 12 are 12, **24**, 36, 48, 60 ...

The LCM of 8 and 12 is 24. This is because it is the lowest multiple that is common to both.

Exercise 1: Find the HCF of:

1. 20 and 15
2. 12 and 16
3. 50 and 20
4. 32 and 24
5. 25 and 15
6. 44 and 11
7. 72 and 48
8. 35 and 49

Exercise 2: Find the LCM of:

1. 10 and 15
2. 6 and 8
3. 8 and 10
4. 12 and 15
5. 20 and 35
6. 11 and 7
7. 9 and 12
8. 25 and 15