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 **5**

2. 12 and 16 **4**

3. 50 and 20 **10**

4. 32 and 24 **8**

5. 25 and 15 **5**

6. 44 and 11 **11**

7. 72 and 48 **24**

8. 35 and 49 **7**

Exercise 2: Find the LCM of:

1. 10 and 15 **30**

2. 6 and 8 **24**

3. 8 and 10 **40**

4. 12 and 15 **60**

5. 20 and 35 **140**

6. 11 and 7 **77**

7. 9 and 12 **36**

8. 25 and 15 **150**