

## Worksheets

### Worksheet 1

1. List the common factors and find the HCF of 16 and 30.
2. List the common multiples and find the LCM of 4 and 6.
3. When is a number divisible by 6?
4. Which of the following numbers are divisible by 3?  
23, 33, 43, 53, 63, 73
5. How many factors can a composite number have?
6. Write 2 prime numbers whose difference is 6.
7. Write 36 as the product of prime factors, using the division method.
8. Find the LCM of 10 and 14 by common division method.
9. Find the HCF of 30 and 45 by common division method.
10. Are co-prime numbers always prime numbers? Give an example.

### Worksheet 2

1. Is the divisor in  $30 \div 6$  a factor of the dividend?
2. Write the first five multiples of 6.
3. Which of the following numbers are multiples of 4?  
1, 4, 6, 8, 10, 12, 18
4. Write the 7th multiple of 8.
5. Check if 40 is a multiple of 5 and 6.
6. Write the multiples of 5 and state whether the multiples are odd or even.
7. Find the LCM of 2, 3 and 4.
8. When is a number divisible by 5?
9. Find the prime factors of 18, using the factor tree method.
10. Write 2 prime numbers less than 10, which differ by 3, and 2 prime numbers which differ by 4.

## Answers to Worksheet 1

1. The common factors are 1 and 2; HCF = 2
2. The common multiples are 12, 24, 36, 48, ... LCM = 12
3. A number is divisible by 6 when it is divisible by 2 and 3.
4. 33, 63
5. A composite number can have three or more factors.
6. 5 and 11

7. Prime factors of 36 =  $2 \times 2 \times 3 \times 3$
8. 70
9. 15
10. No. Example, 32 and 355

## Answers to Worksheet 2

1. Yes
2. 6, 12, 18, 24, 30
3. 4, 8, 12
4. 56
5. 40 is a multiple of 5, but 40 is not a multiple of 6.
6. Multiples of 5 are 5, 10, 15, 20, 25, 30, 35, ...  
The 1st, 3rd, 5th, etc., multiples of 5 are odd numbers.  
The 2nd, 4th, 6th, etc., multiples of 5 are even numbers.
7. 12
8. A number is divisible by 5, if it ends with 0 or 5.
9.  $18 = 2 \times 3 \times 3$
10. 2 and 5 differ by 3; 3 and 7 differ by 4.