



# ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019

CLASS – IV SUBJECT- ARITHMETIC ANSWER WORKSHEET – 16 TOPICS – PRIME & COMPOSITE NUMBER + PRIME FACTORISATION DATE – 24.04.2020

## 1. Fill in the blanks:

- 2 and 3 are consecutive prime numbers.
- When all the factors of a number are prime numbers it is called **prime** factors.
- 2 is the smallest prime number.
- 1 is the only number that has one factor.
- The numbers that can be divided by 1 and itself are called **prime** numbers.
- 20 is a **composite** number.

## 2. Write all the composite numbers:

- Between 2 and 20

Composite numbers between 2 and 20 are –

**4, 6, 8, 9, 10, 12, 14, 15, 16, 18.**

- Between 40 and 60

Composite numbers between 40 and 60 are –

**42, 44, 45, 46, 48, 49, 50, 51, 52, 54, 55, 56, 57, 58.**

## 3. Write all the prime numbers:

- Between 20 and 40

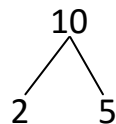
Prime numbers between 20 and 40 are - **23, 29, 31, 37.**

- Between 60 and 80

Prime numbers between 60 and 80 are - **61, 67, 71, 73, 79.**

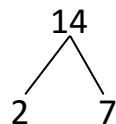
## 4. Find prime factorisation of the following numbers by factor tree method:

- 10



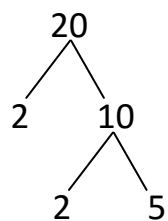
**Ans.** So, the prime factors of 10 are **2 x 5.**

- 14



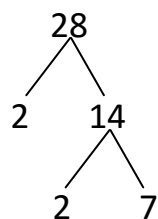
**Ans.** So, the prime factors of 14 are **2 x 7.**

c) 20



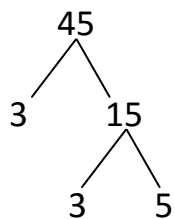
**Ans.** So, the prime factors of 20 are **2 x 2 x 5**.

d) 28



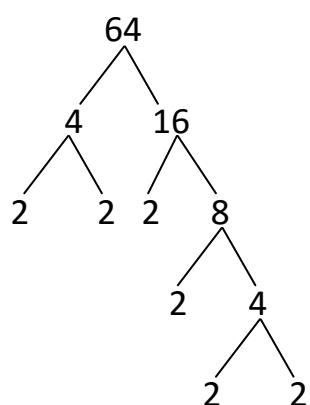
**Ans.** So, the prime factors of 28 are **2 x 2 x 7**.

e) 45

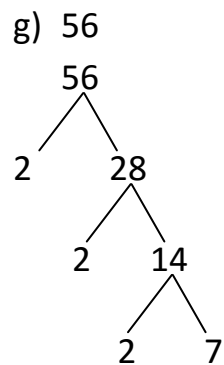


**Ans.** So, the prime factors of 45 are **3 x 3 x 5**.

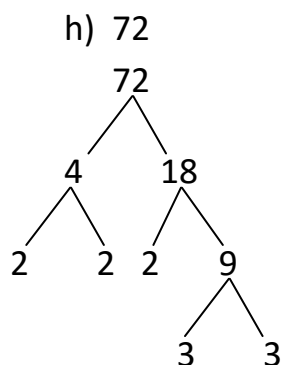
f) 64



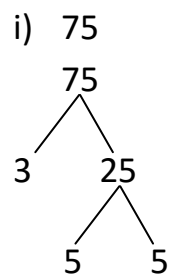
**Ans.** So, the prime factors of 64 are **2 x 2 x 2 x 2 x 2 x 2**.



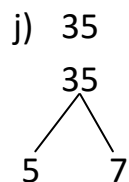
**Ans.** So, the prime factors of 56 are **2 x 2 x 2 x 7.**



**Ans.** So, the prime factors of 72 are **2 x 2 x 2 x 3 x 3.**



**Ans.** So, the prime factors of 75 are **3 x 5 x 5.**



**Ans.** So, the prime factors of 35 are **5 x 7.**