



# ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019

CLASS – IV SUBJECT- ARITHMETIC ANSWER WORKSHEET – 19 TOPIC – FACTORS AND MULTIPLES DATE – 28.04.2020

1. a) Write the 10<sup>th</sup> multiple of 12.

**Ans. 120**

b) Write the multiples of 8 between 10 and 80.

**Ans. 16, 24, 32, 40, 48, 56, 64, 72**

c) Write the 12<sup>th</sup> multiple of 9.

**Ans. 108**

d) Write the first 5 multiples of 6.

**Ans. 6, 12, 18, 24, 30**

e) Write the 15<sup>th</sup> multiple of 4.

**Ans. 60**

2. a) Find the common multiples of 4 and 6 which are less than 40.

Multiples of 4 are – 4, 8, 12, 16, 20, 24, 28, 32, 36

Multiples of 6 are – 6, 12, 18, 24, 30, 36

**Ans. The common multiples of 4 and 6 are 12, 24 and 36.**

b) Find the common multiples of 5 and 7 which are less than 50.

Multiples of 5 are – 5, 10, 15, 20, 25, 30, 35, 40, 45

Multiples of 7 are – 7, 14, 21, 28, 35, 42, 49

**Ans. The common multiples of 5 and 7 is 35.**

c) Find the common factors of 10 and 12.

Factors of 10 = 1, 2, 5, 10

Factors of 12 = 1, 2, 3, 4, 6, 12

**Ans. The common factors of 10 and 12 are 1 and 2.**

d) Find the common factors of 15 and 16.

Factors of 15 = 1, 3, 5, 15

Factors of 16 = 1, 2, 4, 8, 16

**Ans. The common factors of 15 and 16 is 1.**

e) Find the common factors of 12 and 24.

Factors of 12 = 1, 2, 3, 4, 6, 12

Factors of 24 = 1, 2, 3, 4, 6, 8, 12, 24

**Ans. The common factors of 12 and 24 are 1, 2, 3, 4, 6 and 12.**

**3. Find the H. C. F. of the following numbers:**

a) 20 and 24

Factors of 20 = 1, 2, 4, 5, 10, 20

Factors of 24 = 1, 2, 3, 4, 6, 8, 12, 24

The common factors of 20 and 24 are 1, 2 and 4.

So, the H.C.F. of 20 and 24 is 4.

b) 28 and 35

Factors of 28 = 1, 2, 4, 7, 14, 28

Factors of 35 = 1, 5, 7, 35

The common factors of 28 and 35 are 1 and 7.

So, the H.C.F. of 28 and 35 is 7.

c) 21 and 27

Factors of 21 = 1, 3, 7, 21

Factors of 27 = 1, 3, 9, 27

The common factors of 21 and 27 are 1 and 3.

So, the H.C.F. of 21 and 27 is 3.

**4. Find the L.C.M. of the following numbers:**

a) 8 and 16

Multiples of 8 are – 8, 16, 24, 32, 40, 48

Multiples of 16 are – 16, 32, 48, 64

The common multiples of 8 and 16 are 16, 32 and 48.

So, the L.C.M. of 8 and 16 is 16.

b) 12 and 18

Multiples of 12 are – 12, 24, 36, 48, 60

Multiples of 18 are – 18, 36, 54, 72, 90

So, the L.C.M. of 12 and 18 is 36.

5. Complete the table by following the divisibility rule: Tick (✓) if divisible and (x) if not divisible.

Number	By 2	By 3	By 5	By 10
a) 3820	✓	x	✓	✓
b) 4623	x	✓	x	x
c) 7692	✓	✓	x	x
d) 5435	x	x	✓	x
e) 1236	✓	✓	x	x