



# ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019

CLASS – IV SUBJECT- ARITHMETIC ANSWER WORKSHEET – 18 TOPIC – H. C. F. DATE – 27.04.2020

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## 1. Find the common factors and list them:

a) 4 and 6

Factors of 4 = 1, 2, 4

Factors of 6 = 1, 2, 3, 6

**Ans.** The common factors of 4 and 6 are 1 and 2.

b) 3 and 9

Factors of 3 = 1, 3

Factors of 9 = 1, 3, 9

**Ans.** The common factors of 3 and 9 are 1 and 3.

c) 10 and 14

Factors of 10 = 1, 2, 5, 10

Factors of 14 = 1, 2, 7, 14

**Ans.** The common factors of 10 and 14 are 1 and 2.

d) 16 and 18

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

Factors of 18 = 1, 2, 3, 6, 9, 18

**Ans.** The common factors of 16 and 18 are 1 and 2.

e) 20 and 24

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

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

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

f) 22 and 33

Factors of 22 = 1, 2, 11, 22

Factors of 33 = 1, 3, 11, 33

**Ans.** The common factors of 22 and 33 are 1 and 11.

g) 17 and 34

Factors of 17 = 1, 17

Factors of 34 = 1, 2, 17, 34

**Ans.** The common factors of 17 and 34 are 1 and 17.

h) 16 and 32

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

Factors of 32 = 1, 2, 4, 8, 16, 32

**Ans.** The common factors of 16 and 32 are 1, 2, 4, 8 and 16.

i) 36 and 54

Factors of 36 = 1, 2, 3, 4, 6, 9, 12, 18, 36

Factors of 54 = 1, 2, 3, 6, 9, 18, 27, 54

**Ans.** The common factors of 36 and 54 are 1, 2, 3, 6, 9 and 18.

j) 24 and 28

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

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

**Ans.** The common factors of 24 and 28 are 1, 2 and 4.

## 2. Find the H. C. F. of the following numbers:

a) 14 and 20

Factors of 14 = 1, 2, 7, 14

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

The common factors of 14 and 20 are 1 and 2.

So, the H.C.F. of 14 and 20 is 2.

b) 2 and 8

Factors of 2 = 1, 2

Factors of 8 = 1, 2, 4, 8

The common factors of 2 and 8 are 1 and 2.

So, the H.C.F. of 2 and 8 is 2.

c) 12 and 20

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

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

The common factors of 12 and 20 are 1, 2 and 4.

So, the H.C.F. of 12 and 20 is 4.

d) 24 and 48

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

Factors of 48 = 1, 2, 3, 4, 6, 8, 12, 16, 24, 48

The common factors of 24 and 48 are 1, 2, 3, 4, 6, 8, 12 and 24.

So, the H.C.F. of 24 and 48 is 24.

e) 16 and 18

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

Factors of 18 = 1, 2, 3, 6, 9, 18

The common factors of 16 and 18 are 1 and 2.

So, the H.C.F. of 16 and 18 is 2.

f) 10 and 15

Factors of 10 = 1, 2, 5, 10

Factors of 15 = 1, 3, 5, 15

The common factors of 10 and 15 are 1 and 5.

So, the H.C.F. of 10 and 15 is 5.

g) 20 and 30

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

Factors of 30 = 1, 2, 3, 5, 6, 10, 15, 30

The common factors of 20 and 30 are 1, 2, 5 and 10.

So, the H.C.F. of 20 and 30 is 10.

h) 6 and 9

Factors of 6 = 1, 2, 3, 6

Factors of 9 = 1, 3, 9

The common factors of 6 and 9 are 1 and 3.

So, the H.C.F. of 6 and 9 is 3.

i) 15 and 18

Factors of 15 = 1, 3, 5, 15

Factors of 18 = 1, 2, 3, 6, 9, 18

The common factors of 15 and 18 are 1 and 3.

So, the H.C.F. of 15 and 18 is 3.

j) 36 and 45

Factors of 36 = 1, 2, 3, 4, 6, 9, 12, 18, 36

Factors of 45 = 1, 3, 5, 9, 15, 45

The common factors of 36 and 45 are 1, 3 and 9.

So, the H.C.F. of 36 and 45 is 9.