



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019

CLASS – IV SUBJECT- ARITHMETIC ANSWER WORKSHEET – 17 TOPIC – H. C. F. DATE – 25.04.2020

1. Find the common factors and list them:

a) 10 and 20

Factors of 10 = 1, 2, 5, 10

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

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

b) 4 and 8

Factors of 4 = 1, 2, 4

Factors of 8 = 1, 2, 4, 8

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

c) 9 and 18

Factors of 9 = 1, 3, 9

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

Ans. The common factors of 9 and 18 are 1, 3 and 9.

d) 32 and 36

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

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

Ans. The common factors of 32 and 36 are 1, 2 and 4.

e) 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.

f) 30 and 35

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

Factors of 35 = 1, 5, 7, 35

Ans. The common factors of 30 and 35 are 1 and 5.

g) 6 and 4

Factors of 6 = 1, 2, 3, 6

Factors of 4 = 1, 2, 4

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

h) 20 and 30

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

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

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

i) 21 and 27

Factors of 21 = 1, 3, 7, 21

Factors of 27 = 1, 3, 9, 27

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

j) 18 and 24

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

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

Ans. The common factors of 18 and 24 are 1, 2, 3 and 6.

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

a) 18 and 24

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

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

The common factors of 18 and 24 are 1, 2, 3 and 6.

So, the H.C.F. of 18 and 24 is 6.

b) 16 and 20

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

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

The common factors of 16 and 20 are 1, 2 and 4.

So, the H.C.F. of 16 and 20 is 4.

c) 12 and 18

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

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

The common factors of 12 and 18 are 1, 2, 3 and 6.

So, the H.C.F. of 12 and 18 is 6.

d) 2 and 14

Factors of 2 = 1, 2

Factors of 14 = 1, 2, 7, 14

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

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

e) 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.

f) 28 and 42

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

Factors of 42 = 1, 2, 3, 6, 7, 14, 21, 42

The common factors of 28 and 42 are 1, 2, 7 and 14.

So, the H.C.F of 28 and 42 is 14.

g) 11 and 77

Factors of 11 = 1, 11

Factors of 77 = 1, 7, 11, 77

The common factors of 11 and 77 are 1 and 11.

So, the H.C.F. of 11 and 77 is 11.

h) 15 and 30

Factors of 15 = 1, 3, 5, 15

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

The common factors of 15 and 30 are 1, 3, 5 and 15.

So, the H.C.F. of 15 and 30 is 15.

i) 4 and 16

Factors of 4 = 1, 2, 4

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

The common factors of 4 and 16 are 1, 2 and 4.

So, the H.C.F. of 4 and 16 is 4.

j) 16 and 24

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

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

The common factors of 16 and 24 are 1, 2, 4 and 8.

So, the H.C.F. of 16 and 24 is 8.