

Q.1) HCF of 16, 24 and 85

$$\begin{array}{l} 2 \mid 16, 24, 85 \\ 2 \mid 8, 12, 85 \\ 2 \mid 4, 6, 85 \\ \quad 2, 3, 85 \end{array}$$

$$\text{HCF } 2 \times 2 \times 2 = 8$$

Q.2) Find the greatest number divides 9 and 405

Worksheet

a) 1, 3, 5 and 15 are called factors of 15.

b) All even numbers are divisible 2

c) Co-prime is a number which is neither prime nor composite.

d) 18 is a factors of 3 and 6.

e) Numbers that have only two factors, 1 and the number itself, are called Twin Prime

B. Factor of 35

2. Multiple of 5

3. Smallest prime number

4. Factor of every number

5. Factors of a number

i) 1

ii) infinite

iii) 50

iv) 7

v) 2

c) H.C.F

$$\begin{array}{r}
 2 \overline{) 16, 24, 85} \\
 \underline{2 , 12, 85} \\
 2 \overline{) 4, 6, 85} \\
 \underline{2 , 3, 85} \\
 2, 3, 85
 \end{array}$$

$$2 \times 2 \times 2 = 8$$

b) L.C.M

$$\begin{array}{r}
 2 \overline{) 16, 28, 32} \\
 \underline{2 , 14, 16} \\
 2 \overline{) 4, 7, 16} \\
 \underline{2 , 7, 16} \\
 2, 7, 16
 \end{array}$$

$$2 \times 2 \times 2 \times 7 \times 16 = 112$$

d)

$$\begin{array}{r}
 5 \overline{) 90, 405} \\
 \underline{9 \overline{) 18, 81} \\
 2, 9}
 \end{array}$$

~~H.C.F~~

H.C.F $9 \times 5 = 45$