



CHAPTER – 03 Multiples and Factors

Q1. Find HCF by division method [Drop Down]

a. 20, 25

$$\begin{array}{r|l} 2 & 20 \\ \hline 2 & \\ \hline & 5 \\ \hline & 1 \end{array}$$

$$\begin{array}{r|l} 2 & 24 \\ \hline & 12 \\ \hline 2 & 6 \\ \hline 3 & \\ \hline & 1 \end{array}$$

$$20 = 2 \times 2 \times 5$$

$$24 = 2 \times 2 \times 2 \times 3$$

Hence, $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

Thus, HCF is $\underline{\hspace{1cm}}$

b. 40, 50

$$\begin{array}{r|l} 2 & 40 \\ \hline & 20 \\ \hline 2 & 10 \\ \hline 5 & \\ \hline & 1 \end{array}$$

$$\begin{array}{r|l} 2 & 50 \\ \hline & 25 \\ \hline 5 & 5 \\ \hline & 1 \end{array}$$

$$40 = 2 \times 2 \times 2 \times 5$$

$$50 = 2 \times 5 \times 5$$

Hence, $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

Thus, HCF is $\underline{\hspace{1cm}}$

Q2. Find the HCF of the following using long division method [Drop & Down]

a. 20, 24

$$\begin{array}{r} 20 \overline{) 24} \\ \underline{20} \\ 20 \\ \underline{20} \\ 00 \end{array}$$

So, the HCF of 20 & 24 is _____

Q3. Choose the correct answer from drop down option.

A. Full form of HCF - _____.

B. HCF = $\frac{\text{product of the two numbers}}{\text{LCM}}$

C. Find HCF

The product of two numbers = 375, LCM = 75

$$\text{Sol. HCF} = \frac{\text{product of the two numbers}}{\text{LCM}}$$

$$= \underline{\hspace{2cm}}$$

$$= 375 \div 75$$

$$\begin{array}{r} 75 \overline{) 375} \\ \underline{- 375} \\ 000 \end{array}$$

$$\text{HCF} = 5$$