

Homework

Q1 Solve the following

1 Write the Prime numbers between 20 and 70

→ 23, 29, 31, 37, ~~39~~, 41, 43, 47, ~~51~~, 53, ~~57~~, 59, 61, ~~63~~, 67, ~~69~~, 71

2 Find the HCF of the following using long division method.

→

$$\begin{array}{r}
 3 \\
 255 \overline{) 870} \\
 \underline{- 765} 2 \\
 105 \overline{) 255} \\
 \underline{- 210} 4 \\
 045 \overline{) 270} \\
 \underline{- 180} 6 \\
 030 \overline{) 180} \\
 \underline{- 180} \\
 000
 \end{array}$$

HCF = 30

3 The H.C.F and the L.C.M of two numbers are 11 and 396 respectively. One Number is 44, find the other.

Solution

HCF X LCM

First Number

$$\begin{array}{r}
 99 \\
 \hline
 11 \times 396 \\
 44 \\
 \hline
 41
 \end{array}$$

Other Number is 99

4

Ans

Check 1,45,932 is divisible by 6 and 9 using Divisibility test rules.

$$1,45,932 = 1+4+5+9+3+2 = 24$$

Divisibility rule of 6

6 is Divisible by 1,45,932

$$\begin{array}{r} 12 \\ 2 \overline{) 24} \\ \underline{-24} \\ 00 \end{array}$$

$$\begin{array}{r} 8 \\ 3 \overline{) 24} \\ \underline{-24} \\ 00 \end{array}$$

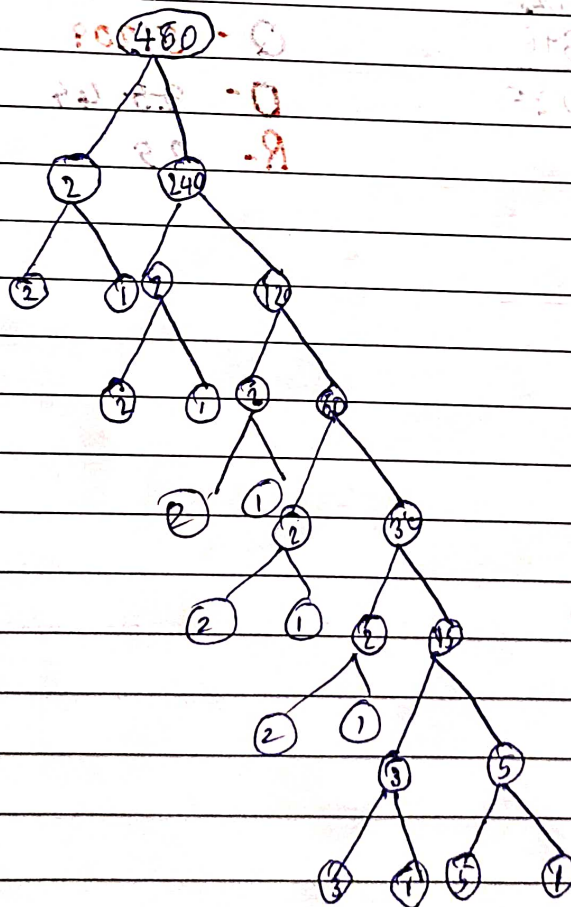
Divisibility rule of 9-

Divisible by 1,45,932.

1+4+5+9+3+2 = 24 24 is not

5

Find Prime factors of 480 using factor tree method.



$$2 \times 2 \times 2 \times 2 \times 2 \times 3 \times 5 = 480$$

6 Divide and check your answer

1) $22,53,212 \div 44$

$$\begin{array}{r} 51209 \\ 44 \overline{) 2253212} \end{array}$$

$$\begin{array}{r} -220 \\ \hline \end{array}$$

$$\begin{array}{r} 00832 \\ \hline \end{array}$$

$$\begin{array}{r} -44 \\ \hline \end{array}$$

$$\begin{array}{r} 092 \\ \hline \end{array}$$

$$\begin{array}{r} -88 \\ \hline \end{array}$$

$$\begin{array}{r} 042 \\ \hline \end{array}$$

$$\begin{array}{r} -396 \\ \hline \end{array}$$

$$025$$

Q - 51209

D - 25 44

R - 25

