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[ Delhi Police 2017 ]

**Example-1**

Find the HCF of 59 and 10.

- a) 1    b) 59  
c) 3    d) 590

**Example-2**

The HCF of 108, 360 and 408 is

- a) 4    b) 8  
c) 12    d) 16

**Example-3 [ SSC CPO 2015 ]**

The HCF of 144, 180 and 192 is

- a) 540    b) 432  
c) 36    d) 12

**Example-4**

Find the LCM of 8, 15 and 18.

- a) 1    b) 360  
c) 152    d) 120

**Example-5**

The LCM of 36, 90 and 24 is

- a) 810    b) 360  
c) 450    d) 90

**Example-6 [ SSC (10+2) 2011 ]**

The HCF of two numbers is 8. Which one of the following can never be their LCM?

- a) 24    b) 48  
c) 56    d) 60

**Example-7 [ SSC (10+2) 2011 ]**

LCM of  $\frac{2}{3}$ ,  $\frac{4}{9}$  and  $\frac{5}{6}$  is

- a)  $\frac{20}{3}$     b)  $\frac{10}{3}$   
c)  $\frac{20}{27}$     d)  $\frac{8}{27}$

**Example-8**

The HCF of  $\frac{10}{35}$ ,  $\frac{40}{9}$ ,  $\frac{70}{45}$  is

- a)  $\frac{10}{315}$     b)  $\frac{100}{315}$   
c)  $\frac{20}{375}$     d)  $\frac{315}{10}$

**Example-9**

The HCF of 16.5, 0.90 and 15 is

- a) 0.3    b) 0.6  
c) 0.5    d) 0.15

**Example-10**

The LCM of 2.8, 3.6 and 1.2 is

- a) 25.4    b) 25.2  
c) 26    d) 27.2

**Example-11 [SSC MTS 2016]**

LCM of two numbers is 120 and their HCF is 10. If one of the numbers is 75, then the other number is

- a) 16    b) 20  
c) 25    d) 120

**Example-12 [SSC CGL 2015]**

The HCF and LCM of two numbers are 21 and 84 respectively. If the ratio of the two numbers is 1: 4.

Find the greater number.

- a) 84    b) 108  
c) 48    d) 12

**Example -13**

The sum of a pair of positive integers is 350 and their HCF is 25, the number of such possible pair is

- a) 2    b) 3  
c) 4    d) 5

**Example -14**

Find the greatest number which divides 1657 and 2037 leaving remainders 6 and 5, respectively

- a) 123    b) 127  
c) 235    d) 305

**Example-15 [ SSC CPO 2013 ]**

The greatest number which can divide 1356, 1868 and 2764 leaving the same remainder in each case is





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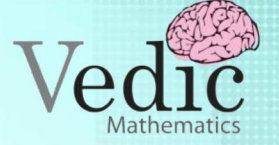
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- a) 260      b) 64  
c) 124      d) 128

- c) 0.3 m      d) 0.41 m

#### Example-16 [SSC CGL 2014]

Find the least number which when divided separately by 15, 20, 36 and 48 leaves 3 as remainder in each case.

- a) 183      b) 243  
c) 483      d) 723

#### Example-17

Find the least number which when divided by 45, 40 and 54 leaves the remainder 38, 33 and 47, respectively.

- a) 1080      b) 1087  
c) 1073      d) 1070

#### Example-18 [SSC CGL 2015]

The greatest four-digits number exactly divisible by 10, 15, 20 is

- a) 9990      b) 9960  
c) 9980      d) 9995

#### Example-19

The greatest number of four dig which when divided by 12, 16 and 24 leaves remainders 2, 6 and 14, respectively is

- a) 9974      b) 9970  
c) 9807      d) 9998

#### Example-20 [SSC LDC 2015]

The smallest five-digit number which is divisible by 12, 18 and 21 is

- a) 10080      b) 30256  
c) 10224      d) 50321

#### Example-21 [JSSC CGL 2017]

Two pipes of length 1.5 m and 1.2 m are to be cut into equal pieces without leaving any extra length of pipes. The greatest length of the pipe pieces of same size which can be cut from these two lengths will be

- a) 0.13 m      b) 0.4 m

#### Example-22 [SSC CGL 2011]

Four runners started running simultaneously from a point on a circular track. They took 200 s, 300 s, 360 s and 450 s to complete one round. After how much time do they meet at the starting point for the first time?

- a) 1800 s      b) 3600 s  
c) 2400 s      d) 4800 s

#### Example-23 [SSC CGL 2011]

Three bells ring simultaneously at 11 am they ring at regular intervals of 20 min, 30 min and 40 min, respectively. The time when all three bells ring together next is

- a) 2 pm      b) 1 pm  
c) 1:15 pm      d) 1:30 pm

