

**Question bank**

**Chapter 3 --- Factors and Multiples**

Q1) Give the prime factorization of the following

a) 60   b) 81   c) 252   d) 54

Q2) Find the H.C.F of 20,110 and 140 by Prime factorization method.

Q3) Find H.C.F of 391,425,527 by long division method.

Q4) Find L.C.M of the following by prime factorization method

a) 12,18,24   b) 9, 4

Q5) Determine smallest 3- digit number which is exactly divisible by 6,8 and 12.

Q6) The product of two numbers is 2560 and their L.C.M is 320. Find the H.C.F?

Q7 ) Fill in the blanks :

- a) The H.C.F of two consecutive odd numbers is \_\_\_\_\_.
- b) L.C.M of 3, 4, 6 is \_\_\_\_\_.
- c) The smallest prime number is \_\_\_\_\_.
- d) H.C.F is not greater than \_\_\_\_\_(LCM/ given number)
- e) The H.C.F of two co primes is \_\_\_\_\_.

Q8) Three friends set out together for a morning walk. Their steps measure 75 cm , 80 cm, and 85 cm, respectively. What is the minimum distance each should walk so the all can cover the same distance in complete steps?

Q9) The length , breadth, and height of a room are 850 cm, 225 cm, and 425 cm respectively. Find the longest tape that can measure the three dimensions of the room exactly.

Q10) There are 527 mangoes, 646 apples and 748 pears. These are to be arranged in heaps containing the same number of fruits. Find the greatest number of fruits possible in each heap. How many heaps are formed?

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