



## Chapters: Whole Numbers and Factors & Multiples

MM: 20

Time Allowed: 60 minutes.

- Which of the following numbers is prime?
  - 23
  - 51
  - 38
  - 26
- The smallest prime just greater than HCF of 84 and 144 is
  - 11
  - 17
  - 19
  - 13
- The least number exactly divisible by 36 and 24 is
  - 144
  - 72
  - 64
  - 324
- Which of the following is not a natural number
  - 1
  - 10
  - 0
  - 20
- Which of the following is not zero?
  - $0 \times 0$
  - $\frac{0}{2}$
  - $\frac{6-6}{2}$
  - $4 + 0$
- A number when divided by 12 gives 7 as quotient and 9 as remainder. The number is ..... [1]
- Can two numbers have 12 as their HCF and 512 as their LCM? Justify your answer. [2]
- Find HCF and LCM of 1152 and 1664. [2]
- Find the greatest number that can divide 101 and 115 leaving remainder 5 and 7 respectively. [2]
- The HCF of two numbers is 23 and their product is 55545. Find their LCM. [2]
- Shikha withdrew \$100000 from her bank account. She purchased a car for \$38750, Jewelry worth \$23890 and electronics for \$35560. How much money was left with her? [3]
- Three tankers contain 403 litres, 434 litres and 465 litres of diesel respectively. Find the maximum capacity of a container that can measure the diesel of three containers exact number of times. [3]

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