

1. What is the H.C.F of two consecutive even numbers?
2. Write the successor and the predecessor of the smallest three digit number.
3. Simplify using property: $7469 \times 999 + 7469$.
4. Show the prime factorization of the largest four-digit number. How many distinct prime factors does it have?
5. Show the prime factorization of 1360. How many prime factors does it have?
6. For each of the following pair of numbers, verify the property; Product of the numbers = Product of their H.C.F and L.C.M.
 - a) 117, 211
 - b) 87, 145
7. Express 84 as the sum of twin primes.
8. Express 65 as the sum of three odd prime numbers.
9. Find the H.C.F of 91, 112 and 49.
10. Can two numbers have 16 as their HCF and 380 as their LCM? Give reason.
11. Find the number of common prime factors of 75, 60 and 105.
12. Find the least number which when divided by 12, 16, 24 and 36 leaves a remainder 7 in each case.
13. Find the multiples of 21 which are greater than 565 but less than 790.
14. Find the smallest four digit number divisible by 18, 24 and 32.
15. In a morning walk, three persons step off together. Their steps measure 80cm, 85cm and 90cm respectively. What is the minimum distance each should walk so that all can cover the same distance in complete steps?
16. Find the value of the given expressions with suitable rearrangements:
 - a) $292 + 63 + 837 + 208 + 363 + 37$
 - b) $625 \times 279 \times 16$.
17. Fill in the blanks with suitable whole numbers:
 - a) $10001 + 2002 = 1001 + \underline{\hspace{2cm}} + 10001$
 - b) $9999 + 123465 \div 123465 = \underline{\hspace{2cm}}$.
18. '221' Reduce to the lowest term.
19. Verify that: $15 \times (12 - 8) = 15 \times 12 - 15 \times 8$
20. 210 oranges, 252 apples and 294 pears are equally packed in cartons so that no fruit is left. What is the biggest possible number of cartons needed?
21. Find the greatest number of 4-digits exactly divisible by 40, 48 and 60.
22. The digits of 6 and 9 of the number 36940 interchanged. Find the difference between the original number and the new number.
23. Using distributive property, find the value of:
 - a) 258×1008
 - b) 736×97
24. Fill in the blanks with suitable whole number:
 - a) $9 \times (10000 + \underline{\hspace{2cm}}) = 98766$
 - b) $(15+5)(15-5) = 225 - \underline{\hspace{2cm}}$
25. A dealer purchased 125 television sets. If the cost of each set is Rs. 19280, find the total cost of all the sets.
26. Find the sum by short method:
 - a) $9856 + 9999$
 - b) $86499 + 99$
27. Find the given sum by suitable rearrangement:
28. $23 + 37 + 65 + 7 + 963 + 993 + 935 + 977$
29. Write the smallest whole number of 4-digits using four different whole numbers.
30. Write the greatest whole number of 5-digits using four different whole numbers.
31. Check whether 385 and 462 are co-prime numbers or not.
32. Find the largest number which divides 630 and 940 leaving remainders 6 and 4 respectively.