

1. Write down all the prime numbers between 1 and 50.
2. What is the 13th cubic number?
3. Write down all the palindromic numbers between 10 and 100.
4. What is the 24th square number?
5. Use the following list of numbers in this question:

15, 221, 356, 520, 738, 1647, 5120, 7293, 46 656, 195 364.

From the list write down the numbers that are divisible by:

- (a) 3
 - (b) 5
 - (c) 9
 - (d) 4
 - (e) 11
 - (f) 8
6. Write down the factors of the following numbers:
 - (a) 70
 - (b) 1155
 7. Find the HCF of the following numbers:
 - (a) 1540 and 1584
 - (b) 4116 and 12474
 8. Find the LCM of 6468 and 12474
 9. Evaluate:
 - (a) $\sqrt{15876}$
 - (b) $\sqrt[3]{85184}$
 10. Two lighthouses can be seen from the top of a hill. The first flashes once every 8 seconds, and the other flashes once every 15 seconds. If they flash at the same time, how long will it be until they flash at the same time again?