

1. Without adding, find the sum of : $1+3+5+7+9+11$. (1)
2. Find the cube of $\frac{3}{5}$. (1)
3. Solve: $7x - 9 = 12$. (1)
4. Is 128 a perfect cube? (1)
5. Find the smallest 6 digit number, which is a perfect square. (2)
6. Find the cube root of 13824 by prime factorization method. (2)
7. Two numbers are in the ratio 7:5. If they differ by 12, find the numbers. (2)
8. Find the square root of 150.0625 by long division method. (3)
9. Solve : i) $\frac{2x - 3}{3x + 2} = -\frac{2}{3}$ ii) $\frac{x}{2} - \frac{1}{5} = \frac{x}{3} + \frac{1}{4}$ (3)
10. A number consists of two digits whose sum is 9. If 27 is subtracted from the number, its digits are reversed. Find the number. (4)