# Anita's Coaching Classes

1) The sum of three consecutive multiples of 8 is 792. Find these multiples..
2) A man is 4 times as old as his son. After 16 years, he will be only twice as old as his son. Find their present ages.
3) In an isosceles triangle, the base angles are equal. The vertex angle is twice either base angle. What are the angles of the triangle?
4) Two boys have 480 marbles between them. One arranges them in heaps of 6 marbles and the other in heaps of 9 each. If the total number of heaps is 72, how many marbles does each have?
5) The denominator of a rational number is greater than its numerator by 8. If the numerator is increased by 17 and the denominator is decreased by 1, the number obtained is 3/2. Find the rational number.
6) Five years before, the age of Neeraj and Neera was in the ratio 4:5. The ratio of their present ages is 5:6. Find their present ages. Length of a rectangle is 8m less than twice its width. If the perimeter of the rectangle is 56m, find its length and width.
7) Sum of three consecutive integers is 24. Find the integers.
8) Srishti has a total of Rs 780 as currency notes in the denominations of Rs 10, Rs 20 and Rs 50. The ratio of the number of Rs 50 notes and Rs 10 notes is 3 : 2. If she has a total of 32 notes, how many notes of each denomination she has?
9) Reeta received a certain amount of money on her retirement from her company. She gives half of this money and additional sum of Rs 10,000 to her daughter. She also gives one third of the money received and an additional sum of Rs 3000 to her son. If the daughter gets twice as much as her son, find the total amount of money Reeta received from her company.
10) The sum of the digits of a two-digit number is 14. If 36 is added to the number, its digits are interchanged. Find the number.