Saritaben, Ayesha and Meenakshi started a business by investing 2400, 5200 and 3400 rupees. They made a profit of 50%. How should they share it? If they reinvest all their profit by adding it to the capital, what will each one's share be in the following year ?

Total capital = _____ + _____ + _____ = 11000 rupees.
Profit __%
∴ Total profit = _____ × ___/100
 = _____
Profit will be shared in the same proportion as the investment.
We simplify the ratio of two numbers by dividing by a common factor.
The same can be done for 3 or more numbers.
Proportion of shares = 2400 : 5200 : 3400
 = __ : __ : __ (dividing by 100)
 = __ : __ : __ (dividing by 2)
Assume that Saritaben's profit =12p, Ayesha's profit =__p, Meenakshi's profit =__p.
∴ __p + __p + __p = 55p = 5500
∴ p = 5500
55 = 100
∴ Saritaben's profit = 12 × 100 = _____, Ayesha's profit = 26 × 100 = _____ and
Meenakshi's profit = 17 × 100 = _____.
If they add their profit to the capital, their further investments will be :
Saritaben's capital = 2400 + 1200 = _____
Ayesha's capital = 5200 + 2600 = _____
Meenakshi's capital = 3400 + 1700 = _____