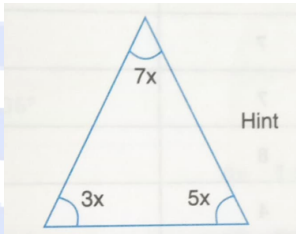1. Present ages of A and B are in the ratio of 4: 5. Ten years ago their ages were in the ratio of 3 : 4. What are their present ages?

2. If by selling a shirt for ₹ 75 a man loses 4%, for what amount should he sell it so as to gain 20%.

3. Three chairs are purchased for ₹ 700 each. One of the chair was sold for at a profit of 20%. At what price should the other two be sold to have a loss of 10% on the whole transaction?

4. Rekha borrowed a loan from bank. After 3 years she paid ₹ 4752 and settled the accounts. If the rate of interest is 9% per annum, what sum did she borrow?

5. A sum of money lent out at simple interest amounts to ₹ 2200 in one year and to ₹ 2800 in 4 years. Find the sum of money and the rate of interest?

6. A labour covers 810sqm of floor with tiles in one day. If this is 24% of total area what is the size of floor in sq metre?

7. An alloy contains 36% zinc, 40% copper and the rest is nickel. Find in grams the quantity of the contents in a sample of 2kg alloy.

8. A profit of ₹ 7500 is to be divided among three persons in the ratio of 9: 6: 10. How much does each person get?

9. The angles of a triangle are in the ratio of $7 : 3 : 5$. Find the greatest and the smallest angles?

10. In an examination Satish has to secure 45% marks to pass. He secured 428 marks and failed by 22 marks. Find the maximum marks.

11. 4 men can do a piece of work in 18 days. In how many days will men complete it?

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