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Part II

- 1) The floor area of the kitchen of a house is $\frac{3}{4}$ the floor area of the sitting room.
 - i) What is the ratio of the area of kitchen and sitting room.
 - ii) What fraction of the total floor area of the kitchen and the sitting room is the difference between the floor areas of these two rooms?
- 2) Gayan and Damith started a business in the same year. Fill in the blanks in the following table.

Name	Amount invested	Date of	Period of	Amount x period
		investment	investment	
Gayan	Rs. 20,000	Jan 01		
Damith	Rs. 25,000	March 01		

P started a business on 1st of January by investing Rs. 20000. After 2 months Q joined to the business by investing Rs. 30000. After 4 months R joined to the business by investing Rs. 40,000. Profit from the business for the year was Rs. 65,000.

- i) Find the ratio of investing money.
- ii) Who gained more profit.
- 4) In a certain village Sinhalese, Tamil and Muslims live together. The ratio of Sinhala to Tamil5 : 3 and the ratio of Tamil to Muslim is 4 : 1.
 - i) Find the ratio of Sinhala to Tamil to Muslims.
 - ii) How many families are there in the village if there are 120 Sinhala families.
- 5) Ratio of the magnitude of angle a and b is 1 : 2. angle a and c is 2 : 3.
 - i) Build up the ratio between a, b, c
 - ii) Find the magnitude of a, b, c

b a

Prepared by : N.G. Koshila



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