Vacation Home work Sheet
Class -7
Subject-Mathematics
Chapter -2
Topic- Proportion
Lecture -2

PROPORTION DIVISION:

Suppose that, Tk.500 is to be distributed in the ratio 3:2.

Here the sum of the ratio =3+2 = 5

So, first portion = $\frac{3}{5}$ part of Tk.500

$\qquad$ = Tk.300

And second portion = $\frac{2}{5}$ part of Tk.500

$\qquad$ = Tk.200

Or, second portion = (500-300) Tk

$\qquad$ = Tk.200

So, quantity of one part =

$\qquad$ Given quantity$\times \dfrac{Proportional\ number\ of\ \textbf{that}\ part}{Sum\ of\ the\ ratio}$

1.In a bag of red and green sweets, the ratio of red sweets to green sweets is 3:4. If the bag contains 120 green sweets, how many red sweets are there?

2.The angles of a triangle are in the ratio 1:3:8. Find the measures of the three angles of this triangle.

3.The ratio of the price of two televisions is 5:7

a) Two numbers are in the ratio 7: 9. If the sum of the numbers is 112, then the larger number is

b) If the price of 2nd television is 35000 TK, what is the price of 1st television?

c) If the price of 1st television is increased by 5000, what is the ratio of 1st and 2nd computer?

4.The ratio of income of Rahim and Arman is 6:5 and that of Arman and Rafik 4:3, If 5900 takas divided among Rahim, Arman and Rafik, how much will each of them?

Note: practice exercise word problem from text book (E.X 2.1)

Email at masudrana7580@yahoo.com