Midterm Exam Revision Work Sheet

Class -seven

Subject- Mathematics

Chapter-2

Date 20/08/2020

Creative Questions

1. **A piece of ornament is made by mixing bronze, Zinc and Silver. In that piece of ornament, the ratio of bronze and Zinc is 1:2. The ratio of Zinc and Silver is 3:5**

   a). Find the ratio of bronze, Zinc and silver in that piece ornament

   b). Find how many grams of silver zinc and bronze there are in ornament weight 38 grams

   c). If the cost of each gram bronze is Tk.20 each gram Zinc is Tk.50 and each gram silver is taka .200. How much will cost make that ornament?

2. The ratio of income of Rahim and Arman is 6:5 and that of Arman and Rafik 4:3

   a). What is the ratio of tree persons income?

   b). If the income of Arman is tk.20000 what's the total income of three person?

   c). If 5900 takas divided among Rahim, Arman and Rafik, how much will each of them?

3. The ratio of milk and water is 3 :2 and the mixer are 15 liters.

   a) Find the quantities of milk.
   b) Find the quantities of water.
   c) What is the percentage of milk in mixer?

4. In a mixture of 30 litres the ratio of water and acid is 7:3.

a) If the price of 1 litre of mixture is 115 takas then what is the price of 30 litters of mixture.

b) Find the quantity of acid and water in that mixture.

c) What quantity of water is to be mixed with that mixture so that the ratio of acid and water will be 3:7?

5. A piece of ornament is made by mixing bronze, zinc and silver. In that piece of ornament, the ratio of bronze and zinc is 1: 2 and the ratio of Zinc and silver is 3: 5. Find how many grams of silver are there in an ornament weighing 190 grams.

a) What is the ratio of the weight of bronze, zinc and silver in that ornament?

b) What is the weight of bronze, zinc and silver in that ornament?

c) What quantity of zinc is to be mixed with that mixture so that the ratio of bronze and zinc will be 1:3?

6. Jamal,kamal, and Tamal are three brothers. Their father divided Taka 6300 amongst them.Thus,jamal gets 3/5 parts of kamal and kamal gets double of tamal

a) The sum of two numbers is 27and their ratio is 2:1. Find the larger number

b) Find the amounts of money of Jamal, kamal, and Tamal.

c) If the total amount of money would be tk.2100 more. find the amount of money each will get?

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