

Finding Part From Whole

Sheet 2

- 1) Aqua regia is a mixture of nitric acid (HNO_3) and hydrochloric acid (HCl) in the ratio 1 : 3. Find the quantity of nitric acid and hydrochloric acid used in 100 fluid ounces of Aqua regia.

- 2) A manufacturing company generates a total of 7200 lbs of scrap in the months of May and June in the ratio of 5 : 1. What was the quantity of scrap recovered in May and June?

- 3) Bill receives his allowance in the ratio of 5 parts and saves 2 parts. How much does he save?

- 4) The ratio of cashews to almonds is 3 : 5. How much of each nut is there in a 100 lb bag?

- 5) In a bag of mixed nuts, there are 7 walnuts for every 2 peanuts. If the bag contains 90 nuts in all, find the number of walnuts and peanuts it contains?

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Answer key**Finding Part From Whole**

Sheet 2

- 1) Aqua regia is a mixture of nitric acid (HNO_3) and hydrochloric acid (HCl) in the ratio 1 : 3. Find the quantity of nitric acid and hydrochloric acid used in 100 fluid ounces of Aqua regia.

25 fl.oz of HNO_3 and 75 fl.oz of HCl

- 2) A manufacturing company generates a total of 7200 lbs of scrap in the months of May and June in the ratio of 5 : 1. What was the quantity of scrap recovered in May and June?

6000 lbs of scrap in May and 1200 lbs in June

- 3) Bill receives his salary in the ratio of 5 parts and saves 2 parts. How much does he save?

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- 4) The ratio of copper and brass used is 3 : 5. How much of each is used?

48 gms of copper and 80 gms of brass used

- 5) In a bag of mixed nuts, there are 7 walnuts for every 2 peanuts. If the bag contains 90 nuts in all, find the number of walnuts and peanuts it contains?

70 walnuts and 20 peanuts