

Finding Part From Whole

- 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 7,200 pounds 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 6 : 2. He saves six parts and saves _____ of his allowance. How much does he save?

- 4) The ratio of copper to zinc used to make 128 grams of brass is 3 : 2. How much of each metal is 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?

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Finding Part From Whole

- 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 fluid ounces of HNO_3 and 75 fluid ounces of HCl

- 2) A manufacturing company generates a total of 7,200 pounds 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?

6,000 pounds

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1,200 pounds in June

- 3) Bill receives his allowance in the ratio of 6 : 2. He saves six parts and saves \$12. How much does he receive each week? How much does he save?

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- 4) The ratio of copper to zinc to make brass is 3 : 2. If 128 pounds of each metal is used, how much brass can be made?

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48 pounds of copper and 32 pounds of zinc

- 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