



## Solving Ratio Problems Involving Parts and Wholes

► Solve each problem. Show your work.

- 1 An artist is making a mosaic using glass tiles. He uses a total of 600 tiles. The ratio of red tiles to blue tiles is 1 : 2. How many red tiles does he use?

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- 3 A field biologist collects 220 butterflies and moths. He collects 4 butterflies for every moth. How many butterflies and how many moths does he collect?

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- 5 Last week, a florist sold 715 roses. Of the roses sold, 7 out of every 11 roses were red. How many red roses did she sell?

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- 2 A jeweler makes an ocean-inspired necklace using a total of 60 snail shells and shark teeth. The ratio of snail shells to shark teeth is 5 : 1. How many of each does she use?

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- 4 Chad is making an orange smoothie. The recipe calls for 3 parts frozen yogurt to 5 parts orange juice. How many ounces of frozen yogurt and how many ounces of orange juice does he need to get a total of 16 ounces?

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- 6 Tim sells two types of pizza. He charges \$10 for a cheese pizza and \$15 for a pepperoni pizza. Yesterday he sold 64 pizzas in all. For every cheese pizza, he sells 3 pepperoni pizzas. How much money did he make selling pizzas yesterday?

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