

Name : \_\_\_\_\_

## Ratio - Mixed Word Problems

Sheet 1

- 1) A truck carries apples, grapes, and blackberries in the ratio of 4 : 3 : 4. If the apples weigh 160 pounds, how much does the truckload of fruit weigh in total?

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- 2) The ratio of lemon to water in 80 fluid ounces of lemonade is 3 : 1. The lemonade was diluted further. If the new ratio was 3 : 2, how much water was added to dilute the lemonade?

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- 3) The first angle in a triangle is two times the second angle. The second angle is two times the third angle. The third angle is 40 degrees. Find the first angle.

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- 4) The scale of a map between two cities measures 3 cm. The actual distance between the two cities on the ground is 30 km. Find the scale of the map.

\_\_\_\_\_

- 5) A sum of \$ 2,700 is shared among Eric, Jo and Richard. Jo's share is two times that of Richard's share. Eric's share is three times that of Jo's share. Find Eric's share.

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**Ratio - Mixed Word Problems**

- 1) A truck carries apples, grapes, and blackberries in the ratio of 4 : 3 : 4. If the apples weigh 160 pounds, how much does the truckload of fruit weigh in total?

**440 pounds of fruit**

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- 2) The ratio of lemon to water in 80 fluid ounces of lemonade is 3 : 1. The lemonade was diluted further. If the new ratio was 3 : 2, how much water was added to dilute the lemonade?

**20 fl**

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- 3) The first angle in a triangle is two times the second angle. The second angle is one-third of the third angle. Find the angles in the triangle.

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- 4) The scale of a map between two cities measures 3 cm for every 100 km. The distance between two cities on the ground is 150 km. What is the distance between the two cities on the map?

**4.5 cm**

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- 5) A sum of \$ 2,700 is shared among Eric, Jo and Richard. Jo's share is two times that of Richard's share. Eric's share is three times that of Jo's share. Find Eric's share.

**Eric's share is \$1,800**

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