

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?

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

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

- 4) The scale of a map measures 1 inch : 1250 miles. If the distance between two cities measures 3 inches on the map, find the actual distance between the two cities on the ground.

- 5) A sum of \$2700 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.

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?

The truck carried 440 pounds of fruit

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

40 fl.oz of water was added

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

6 : 2 : 1

- 4) The scale of a map measures 1 inch : 1250 miles. If the distance between two cities measures 3 inches on the map, find the actual distance between the two cities on the ground.

3750 miles

- 5) A sum of \$2700 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 \$1800
