Mass Word Problems

Name: _____ Class: _____

Solve the following word problems. Show number sentence and your workings.

1. Yesterday I bought 3.2 kilograms of grapes and ate half of it. How many grams of grapes did I have left?

2. Cindy packed 4.5 kilograms of sugar equally into 5 bags. How much sugar in grams was there in each bag?

3. The mass of 1 chocolate bar is 0.1 kilogram. What is the mass of 30 chocolate bars?

4. John, Peter and Mike weigh 200 kg altogether? John weighs 80 kg. John is twice as heavy as Mike. What's Peter weight?

5. The total mass of 4 identical toy cars is 2.4 kilograms. What is the mass of 12 such toy cars in grams?

6. Mrs Rapple packed 2.4 kilograms of salt equally into 8 bags. How many grams of salt was there in each bag?

Answers

Solve the following word problems. Show number sentence and your workings.

1. Yesterday I bought 3.2 kilograms of grapes and ate half of it. How many grams of grapes did I have left?

   3.3 - (3.2 ÷ 2) = 1.6 kilograms = 1,600 grams left

2. Cindy packed 4.5 kilograms of sugar equally into 5 bags. How much sugar in grams was there in each bag?

   4.5 ÷ 5 = 0.9 kilogram = 900 grams

3. The mass of 1 chocolate bar is 0.1 kilogram. What is the mass of 30 chocolate bars?

   30 x 0.1 = 3 kilograms

4. John, Peter and Mike weigh 200 kg altogether? John weighs 80 kg. John is twice as heavy as Mike. What's Peter weight?

   200 - 80 - (80 ÷ 2) = 80 kilograms

5. The total mass of 4 identical toy cars is 2.4 kilograms. What is the mass of 12 such toy cars in grams?

   (12 ÷ 4) x 2,400 = 7,200 grams

6. Mrs Rapple packed 2.4 kilograms of salt equally into 8 bags. How many grams of salt was there in each bag?

   2.4 ÷ 8 = 0.3 kilograms = 300 grams