Mass Word Problems

Name: _____ Class: _____

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

1. Yesterday I bought 4.5 kilograms of salt and used one third of it.
    How much salt did I have left in grams?

2. Maria divided 0.6 kilograms of chocolate equally among 5 boys.
    How much chocolate did each boy get in grams?

3. The mass of 1 candy is 0.01 kilogram. What
    is the mass of 300 candies?

4. A lion and a tiger weigh 600 kg altogether? The lion is twice as
    heavy as the tiger. What are the tiger's and lion's masses?

5. The total mass of 3 identical pineapples is 6.6 kilograms.
    What is the mass of 6 such pineapples in grams?

6. Mrs Sweet packed 3.6 kilograms of sugar equally into 6 bags.
    How many grams of sugar was there in each bag?

Answers

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

1. Yesterday I bought 4.5 kilograms of salt and used one third of it. How much salt did I have left in grams?

   4.5 - (4.5 ÷ 3) = 3 kilogram = 3,000 grams

2. Maria divided 0.6 kilograms of chocolate equally among 5 boys. How much chocolate did each boy get in grams?

   0.6 ÷ 5 = 0.12 kilogram = 120 grams

3. The mass of 1 candy is 0.01 kilogram. What is the mass of 300 candies?

   300 x 0.01 = 3 kilograms or 3,000 grams

4. A lion and a tiger weigh 600 kg altogether? The lion is twice as heavy as the tiger. What are the tiger's and lion's masses?

   lion 400 kg and tiger 200 kg

5. The total mass of 3 identical pineapples is 6.6 kilograms. What is the mass of 6 such pineapples in grams?

   (6.6 ÷ 3) x 6 = 13,200 grams

6. Mrs Sweet packed 3.6 kilograms of sugar equally into 6 bags. How many grams of sugar was there in each bag?

   3.6 ÷ 6 = 0.6 kilograms = 600 grams