Mass and Volume Story Problems

Name _____

Grade 3 · Grams, kilograms, liters and milliliters

Read each story. Show your work, then write the answer.

1 A bag of apples has a mass of 450 grams. A bag of pears has a mass of 380 grams. What is the mass of both bags together?

Answer: _____ grams

2 A puppy had a mass of 9 kilograms in the spring. Now its mass is 16 kilograms. How many kilograms did the puppy gain?

Answer: _____ kilograms

3 A fish tank holds 36 liters of water. Sam fills it with a bucket that holds 4 liters. How many buckets of water does he need?

Answer: _____ buckets

4 Each juice box holds 200 milliliters. How many milliliters of juice are in 4 juice boxes?

Answer: _____ milliliters

5 A watering can holds 8 liters. Rosa pours 5 full cans on the garden. How many liters of water does she use?

Answer: _____ liters

6 A bag of bird seed holds 900 grams. Ana puts 300 grams in each feeder. How many feeders can she fill?

Answer: _____ feeders

Mass and Volume Story Problems (Answer Key)

Grade 3 · Grams, kilograms, liters and milliliters

Read each story. Show your work, then write the answer.

1 A bag of apples has a mass of 450 grams. A bag of pears has a mass of 380 grams. What is the mass of both bags together?

450 + 380 = 830

Answer: **830** grams

2 A puppy had a mass of 9 kilograms in the spring. Now its mass is 16 kilograms. How many kilograms did the puppy gain?

16 − 9 = 7

Answer: **7** kilograms

3 A fish tank holds 36 liters of water. Sam fills it with a bucket that holds 4 liters. How many buckets of water does he need?

36 ÷ 4 = 9

Answer: **9** buckets

4 Each juice box holds 200 milliliters. How many milliliters of juice are in 4 juice boxes?

4 × 200 = 800

Answer: **800** milliliters

5 A watering can holds 8 liters. Rosa pours 5 full cans on the garden. How many liters of water does she use?

5 × 8 = 40

Answer: **40** liters

6 A bag of bird seed holds 900 grams. Ana puts 300 grams in each feeder. How many feeders can she fill?

900 ÷ 300 = 3

Answer: **3** feeders