

Unit Conversion Word Problems

Name: _____

Grade 4 · Stories about length, weight, volume and time that need a conversion first

Change the larger unit into the smaller unit first. Then add or subtract. Show your work.

1. A ribbon is 3 feet long. Mia cuts off 8 inches. How many inches of ribbon are left?

Answer: _____ inches

2. A movie is 2 hours long. A cartoon is 25 minutes long. How many minutes longer is the movie than the cartoon?

Answer: _____ minutes

3. A bag of rice has a mass of 2 kilograms. Dad cooks 350 grams of it. How many grams of rice are left?

Answer: _____ grams

4. Sam walks 1 kilometer to school. Ana walks 750 meters to school. How many meters do they walk in all?

Answer: _____ meters

5. A puppy weighs 5 pounds. A kitten weighs 40 ounces. How many ounces heavier is the puppy than the kitten?

Answer: _____ ounces

6. A jug holds 2 liters of juice. Leo pours out 450 milliliters. How many milliliters of juice are left in the jug?

Answer: _____ milliliters

Unit Conversion Word Problems (Answer Key)

Grade 4 · Stories about length, weight, volume and time that need a conversion first

Change the larger unit into the smaller unit first. Then add or subtract. Show your work.

1. A ribbon is 3 feet long. Mia cuts off 8 inches. How many inches of ribbon are left?

$$3 \text{ feet} = 36 \text{ inches}$$

$$36 - 8 = 28$$

Answer: 28 inches

2. A movie is 2 hours long. A cartoon is 25 minutes long. How many minutes longer is the movie than the cartoon?

$$2 \text{ hours} = 120 \text{ minutes}$$

$$120 - 25 = 95$$

Answer: 95 minutes

3. A bag of rice has a mass of 2 kilograms. Dad cooks 350 grams of it. How many grams of rice are left?

$$2 \text{ kilograms} = 2,000 \text{ grams}$$

$$2,000 - 350 = 1,650$$

Answer: 1,650 grams

4. Sam walks 1 kilometer to school. Ana walks 750 meters to school. How many meters do they walk in all?

$$1 \text{ kilometer} = 1,000 \text{ meters}$$

$$1,000 + 750 = 1,750$$

Answer: 1,750 meters

5. A puppy weighs 5 pounds. A kitten weighs 40 ounces. How many ounces heavier is the puppy than the kitten?

$$5 \text{ pounds} = 80 \text{ ounces}$$

$$80 - 40 = 40$$

Answer: 40 ounces

6. A jug holds 2 liters of juice. Leo pours out 450 milliliters. How many milliliters of juice are left in the jug?

$$2 \text{ liters} = 2,000 \text{ milliliters}$$

$$2,000 - 450 = 1,550$$

Answer: 1,550 milliliters