

## Review Exercise Set 35

Exercise 1: Convert the following measurement.

$$2350 \text{ g} = ? \text{ kg}$$

Exercise 2: Convert the following measurement.

$$310,000 \text{ mg} = ? \text{ g}$$

Exercise 3: Convert the following measurement.

$$5 \text{ kg} = ? \text{ mg}$$

Exercise 4: Convert the following measurement.

$$5 \text{ kg } 910 \text{ g} = ? \text{ kg}$$

Exercise 5: Find the cost of four packages of ground meat weighing 395 g, 740 g, 635 g, and 430 g if the price of the ground meat is \$4.80 per kilogram.

## Review Exercise Set 35 Answer Key

Exercise 1: Convert the following measurement.

$$2350 \text{ g} = ? \text{ kg}$$

Conversion factor:  $1000 \text{ g} = 1 \text{ kg}$

$$2350 \text{ g} \times \frac{1 \text{ kg}}{1000 \text{ g}} = \frac{2350 \text{ kg}}{1000} = 2.35 \text{ kg}$$

**The correct answer is that 2350 g = 2.35 kg**

Exercise 2: Convert the following measurement.

$$310,000 \text{ mg} = ? \text{ g}$$

Conversion factor:  $1000 \text{ mg} = 1 \text{ g}$

$$310,000 \text{ mg} \times \frac{1 \text{ g}}{1000 \text{ mg}} = \frac{310,000 \text{ g}}{1000} = 310 \text{ g}$$

**The correct answer is that 310,000 mg = 310 g**

Exercise 3: Convert the following measurement.

$$5 \text{ kg} = ? \text{ mg}$$

$$5 \text{ kg} \times \frac{1000 \text{ g}}{1 \text{ kg}} \times \frac{1000 \text{ mg}}{1 \text{ g}} = \frac{5,000,000 \text{ mg}}{1} = 5,000,000 \text{ mg}$$

**The correct answer is that 5 kg = 5,000,000 mg**

Exercise 4: Convert the following measurement.

$$5 \text{ kg } 910 \text{ g} = ? \text{ kg}$$

Convert the grams into kilograms

$$910 \text{ g} \times \frac{1 \text{ kg}}{1000 \text{ g}} = \frac{910 \text{ kg}}{1000} = 0.91 \text{ kg}$$

Combine the kilogram measurement together

$$5 \text{ kg} + 0.91 \text{ kg} = 5.91 \text{ kg}$$

**The correct answer is that 5 kg 910g = 5.91 kg**

Exercise 5: Find the cost of four packages of ground meat weighing 395 g, 740 g, 635 g, and 430 g if the price of the ground meat is \$4.80 per kilogram.

First, we will add up the weight of the four packages in grams.

$$395 \text{ g} + 740 \text{ g} + 635 \text{ g} + 430 \text{ g} = 2200 \text{ g}$$

Next, we need to convert the grams to kilograms.

$$2200 \text{ g} \times \frac{1 \text{ kg}}{1000 \text{ g}} = \frac{2200 \text{ kg}}{1000} = 2.2 \text{ kg}$$

Now, we can find the total cost of the meat by multiplying by the price per kilogram.

$$2.2 \text{ kg} \times \frac{\$4.80}{1 \text{ kg}} = \frac{\$10.56}{1} = \$10.56$$

**The correct answer is that the four packages of ground meat would cost a total of \$10.56**