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 g = ? kg

Conversion factor: 1000 g = 1 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 mg = ? g

Conversion factor: 1000 mg = 1 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 kg = ? 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 kg 910 g = ? 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