

G5-M2-Lesson 13

1. Solve.

a. Convert years to days.

$$\begin{aligned}
 5 \text{ years} &= 5 \times (1 \text{ year}) \\
 &= 5 \times (365 \text{ days}) \\
 &= 1,825 \text{ days}
 \end{aligned}$$

$$\begin{array}{r}
 365 \\
 \times \quad 5 \\
 \hline
 1,825
 \end{array}$$

1 year is equal to 365 days. I can multiply 5 times 365 days to find 1,825 days in 5 years.

b. Convert pounds to ounces.

$$\begin{aligned}
 13.5 \text{ lb.} &= 13.5 \times (1 \text{ lb.}) \\
 &= 13.5 \times (16 \text{ oz.}) \\
 &= 216 \text{ oz.}
 \end{aligned}$$

$$\begin{array}{r}
 13.5 \\
 \times 16 \\
 \hline
 810 \\
 + 1350 \\
 \hline
 216.0
 \end{array}$$

1 pound is equal to 16 ounces. I can multiply 13.5 times 16 ounces to find that there are 216 ounces in 13.5 pounds.

2. After solving, write a statement to express each conversion.

a. The height of a male ostrich is 7.3 meters. What is his height in centimeters?

$$\begin{aligned}
 7.3 \text{ m} &= 7.3 \times (1 \text{ m}) \\
 &= 7.3 \times (100 \text{ cm}) \\
 &= 730 \text{ cm}
 \end{aligned}$$

1 meter is equal to 100 centimeters. I multiply 7.3 times 100 centimeters to get 730 centimeters.

His height is 730 centimeters.

- b. The capacity of a container is 0.3 liter. Convert this to milliliters.

$$\begin{aligned}0.3 \text{ L} &= 0.3 \times (1 \text{ L}) \\&= 0.3 \times (1,000 \text{ ml}) \\&= 300 \text{ ml}\end{aligned}$$

1 liter is equal to 1,000 milliliters. I multiply
0.3 times 1,000 milliliters to get 300 milliliters.

The capacity of the container is 300 milliliters.