

# Word Problem for length using Subtraction - Customary unit

**Example : 1**

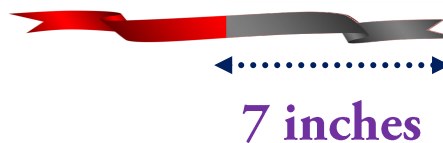
**Kaviya has a piece of ribbon that is 15 inches long. She cuts off a piece that is 7 inches long. How long is the ribbon now?**

**Solution:**

**Initial length of the ribbon = 15 inches**



**Cut off length of the ribbon = 7 inches**



$$\begin{aligned}
 \text{Difference} &= \text{Initial length of the ribbon} - \text{Cut off length of the ribbon} \\
 &= 15 \text{ inches} - 7 \text{ inches} \\
 &= 8 \text{ inches}
 \end{aligned}$$

The piece of ribbon is now **8 inches** long.

**Example : 2**

John's treehouse is 12 feet above the ground. His friend's treehouse is 9 feet above the ground. How much higher is John's treehouse than his friend's treehouse?

**Solution:**

John's treehouse  
height

= 12 feet



12 feet

John friend's  
treehouse height

= 9 feet



9 feet

Difference = John's treehouse  
height

John friend's  
treehouse height

= 12 feet - 9 feet

= 3 feet

John's treehouse is 3 feet higher than his friend's treehouse.



**Example : 3**

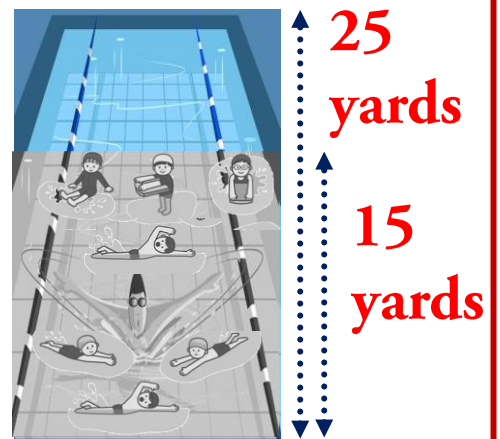
**A swimming pool is 25 yards long. If 15 yards are already occupied by swimmers, how much space is left in the pool?**

**Solution:**

**Total pool length = 25 yards**

**Space occupied by the swimmers = 15 yards**

$$\begin{aligned}
 \text{Remaining space} &= \text{Total pool length} - \text{Occupied space} \\
 &= 25 \text{ yards} - 15 \text{ yards} \\
 &= 10 \text{ yards}
 \end{aligned}$$

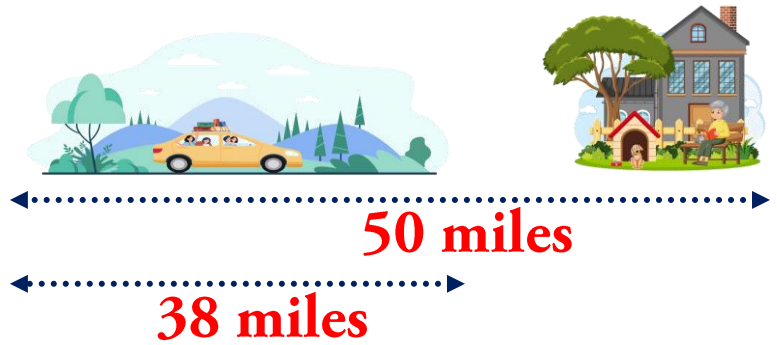


**10 yards** of space are left in the pool.

**Example : 4**

The Johnson family is driving to visit their grandparents, who live 50 miles away. They have already driven 38 miles. How many miles are left in their trip?

**Solution:**



**Total distance = 50 miles**

**Distance already driven = 38 miles**

<b>Remaining distance</b>	<b>=</b>	<b>Total distance</b>	<b>-</b>	<b>Distance covered</b>
	<b>=</b>	<b>50 miles</b>	<b>-</b>	<b>38 miles</b>
	<b>=</b>	<b>12 miles</b>		

The Johnson family has **12 miles** left in their trip.