Let:

$$S = 418 \; square \; feet$$

$$L = 60 \; feet$$

$$H-? \; length$$

$$W-? \; width$$

Let's make a system of equations:

$$\begin{cases} S = W * H \\ L = H + 2W \end{cases}$$

$$\begin{cases} 418 = W * H \\ 60 = H + 2W \end{cases}$$

System solutions:

$$\begin{cases} H = 22 \; feet \\ W = 19 \; feet \end{cases}$$

Answer: Length is 22 feet, width is 19 feet.