



**ACH<sub>50</sub> = CFM<sub>50</sub> x 60 minutes ÷ ft<sup>3</sup> Volume**

**Example:**

Blower door number of 2875 CFM<sub>50</sub> in a 1000 square foot single story ranch with an 8-foot ceiling height.

$$\text{ACH}_{50} = 2875 \text{ CFM}_{50} \times 60 \div 8000 \text{ ft}^3 = 21.6 \text{ (Target reduction goal is 35\%)}$$

**Percentage Reduction Goal**

- If ACH<sub>50</sub> = 11-17, goal is 25%.
- If ACH<sub>50</sub> = 18-22, goal is 35%.
- If ACH<sub>50</sub> > 23, goal is 40%

**Practice:**

Your house is a one-story building that is 32 feet wide by 48 feet long. All ceiling heights are 8 feet. The blower door number is 3425 CFM<sub>50</sub>. What is the ACH<sub>50</sub> and the target reduction percentage for air sealing?

Volume: \_\_\_\_\_

ACH<sub>50</sub>: \_\_\_\_\_

Target: \_\_\_\_\_