HW1-1)

The volume is given by L×W×H = 50 ft × 24 ft × 8 ft = 9600 ft³.

To convert, multiply by 1 but in a particular form:

$$9600 \text{ ft}^3 \times \left(\frac{12 \text{ inches}}{1 \text{ ft}}\right) \times \left(\frac{12 \text{ inches}}{1 \text{ ft}}\right) \times \left(\frac{12 \text{ inches}}{1 \text{ ft}}\right)$$

$$= 16{,}588{,}800 \text{ in}^3 \times \left(\frac{2.54 \text{ cm}}{1 \text{ in}}\right) \times \left(\frac{2.54 \text{ cm}}{1 \text{ in}}\right) \times \left(\frac{2.54 \text{ cm}}{1 \text{ in}}\right) = 271{,}841{,}727.3 \text{ cm}^3.$$