Please return to *Unit 1 Measurement Lesson 1.4* in the *Module* to continue your exploration.

Lesson 1.4: The Imperial System

Practice – V

1. Convert 77 yd 2 ft to feet.

$$77 \text{ yd} \cdot \frac{3 \text{ ft}}{1 \text{ yd}} = 231 \text{ ft}$$

$$77 \text{ yd } 2 \text{ ft} = 231 \text{ ft} + 2 \text{ ft}$$
$$= 233 \text{ ft}$$

2. Convert 50 oz to pounds. Leave your final answer as a mixed fraction.

$$50 \text{ oz} \cdot \frac{1 \text{ lb}}{16 \text{ oz}} = \frac{50}{16} \text{ lbs}$$
$$= 3\frac{2}{16} \text{ lbs}$$
$$= 3\frac{1}{8} \text{ lbs}$$

Please complete *Lesson 1.4 Explore Your Understanding Assignment* located in *Workbook 1.4* before proceeding to *Lesson 1.5*.

Lesson 1.5: Conversions Between the SI and Imperial System

Practice – VI

1. Why are there two conversion ratios listed for each pair of measurements listed in the conversion table in *Lesson 1.5*?

When one of the values in a conversion ratio is 1, the conversion simplifies to a straightforward multiplication or division. By carefully selecting the most helpful of the two conversion ratios, you can always use multiplication.