

Per:

## 2-6 Ratios, Rates, and Conversions

Convert as indicated. If necessary, give a reduced fraction or round to the nearest tenth.

1. 180 hours into days (24 hr = 1 day)

$$\frac{180 \text{ hr}}{1} \cdot \frac{1 \text{ day}}{24 \text{ hr}} = \frac{180 \text{ days}}{24}$$

$$= \frac{15}{2} \text{ or } [7.5 \text{ days}]$$

2. 30 min into seconds (60 sec = 1 min)

3. 130 pounds into kg (1 kg = 2.2 lb)

$$\frac{1301k' \cdot \frac{1 \text{ kg}}{2.21k'} = \frac{130}{2.2} \text{ kg}}{\approx 59.1 \text{ kg}}$$

4. 175 oz into pounds (16 oz = 1 lb)

$$\frac{1750\%}{1} \cdot \frac{116}{160\%} = \frac{175}{16} \cdot \frac{16}{16}$$

$$\approx [0.916]$$

5. Joel used five-eighths of a gallon of paint to cover a wall. How many ounces of paint did he use? (1 gal = 128 oz)

$$\frac{5}{8} \cdot \frac{128}{1} = \frac{640}{8} = 80$$

Del wed 80 owner of part.