

## 5.6 Key Concepts 5 Equivalent Rates Worked Example

**Example:** Lucy was paid \$100 for working 8 h on a canning line. How much should she be paid for a 40-h work week?

**Solution:** Lucy's rate of pay is  $\$100/8$  h. For a 40-h week, the time is multiplied by 5. To get the equivalent rate, you must also multiply the pay by 5.

$$\$100/8 \text{ h} = \$500/40 \text{ h}.$$

**Practice:**

1. After two hours flying her helicopter on a cross-country trip, Sunita calculated that she had covered 240 km. What is the equivalent rate for the entire trip of 840 km?

2. Suleiman purchased stock in El Dorado Gold Mines at \$9.60 per share. After 3 weeks, he noted that the price had increase by \$2.40. If this rate of growth continues, how much will a share be worth 15 weeks after he bought the stock?

Answers: 1. 840 km/7 h. 2. \$21.60/share.