Sec 5.9/5.10 – Exploring and Comparing Rates

1. **Rate**

   ➢ A rate is a ratio of two _____ quantities.
   ➢ A rate compares two quantities measured in two _____ units.
   ➢ A rate can be expressed as a ratio or a fraction.
   ➢ 60 km/h =

2. **Unit Rate**

   ➢ Compares two quantities in which the second quantity is _____.

3. **Unit Price**

   A unit price is a unit rate that makes it easier to compare the _____ of similar items.

   ➢ **Example** - Which container is the better buy? Find the cost for a 1kg box.
   800g box of Cheerios for $9.60 or 900g box of Cheerios for $9.90.

Practice

1) Write the following as a unit rate.

a) 5 people are infected by smallpox every 2 days.

2) At Ed's Grocery, one brand of salsa is sold in the following container sizes: 425 mL for $3.44, 642 mL for $6.29 and 1.7 L for $15.49. Which container of salsa is the best buy?

b) Jill earns $88 for working 8 h.

c) Cat food costs $9 for five cans.