**Math 8: Unit 2**

Video: <https://www.youtube.com/watch?v=dXC8HawoVbQ>

2-2 Rates

A rate is a comparison of two quantities measured in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ units.

Example: $1.79 per 100 grams OR

Example: 72 beats per minute OR

**Cross multiplication**

When do you use cross multiplication?

example

Mr. Henning uses 51.4 litres of gas to travel 658km. What was his rate of fuel consumption?

….a rate can be expressed as a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that includes the two different units.

….a rate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ be expressed as a percent because a percent is a ratio that compares quantities expressed in the \_\_\_\_\_\_\_\_\_\_\_

Carmen can read 18 books in 3 days. How many can she read in 1 day?

Cary scored 8 goals in 4 games, what is her rate of goal scoring?

Unit Rate (conversion rate)

…a unit rate is:

Example