

Proportional Reasoning

1. Working with a partner, record the number of complete shoe tyings completed in 3 minutes

Student	Number of Ties	Time (min)
		3
		3



2. What is the three-minute tying rate for each of the students? What is the unit rate for each student?

3. If each student continued tying at the same rate, how many times could they tie their shoe in 1 hr? in 5 hrs?

4. What do we assume in our answers from question #3?



Examples

1. The cost of propane for Revelstoke residents is \$35.516 for 2 Gigajoules (GJ). How much does it cost for the average household that uses 50 GJ in one year?



2. A student wildlife biologist wants to know how many Kokanee are in the Columbia river. She captures and tags 25 fish and releases them back in to the river. 2 weeks later, she returns and captures 35 kokanee to find that 5 of them are tagged. She uses the following ratios to estimate the number of fish in the river.

