Video: <https://www.youtube.com/watch?v=_s2VNtTMMCs>

Math 8 Unit 2

**2.3 Proportional Reasoning**

You can solve proportional reasoning problems using several different methods.

Example: A potato farmer can plant three potato plants per 0.5 m2. How many potato plants can she plant in an area of 85 m2?

Use a unit rate:

Use a proportion:

A proportion is a relationship that says that two ratios or two rates are equal.

Could be expressed in fraction form:

David can saw a log into three pieces in 7minutes. If he continues sawing at a constant rate, how long will it take him to saw a similarly log into six pieces?

Determine the missing values:

a) 

b) 

There are 72 players on 8 baseball teams. Determine the number of players on 2 teams.

Show how you got your answer in 2 different ways!

Electricity costs 11.58 cents for 2 kWh. How much does 30 kWh cost? Give your answer to the nearest cent.