

Summative Assessment : Proportional Reasoning

name: _____

date: _____

Outcome: Working with Numbers					
35%	Level 1 (55%)	Level 2 (65%)	Level 3 (75%)	Level 4 (90%)	Level 4+ (100%)
Student has not yet demonstrated understanding of the standard.	Student is demonstrating an emerging understanding of the standard.	Student's demonstration of understanding is approaching the standard.	Student's demonstration of understanding is reaching the standard.	Student's demonstration of understanding is exceeding the standard.	Student's demonstration of understanding is extending the standard.

Reaching Standard (Level 3)

1. A car uses 10 L of gasoline to go 100 km. How much fuel will it use to go these distances?
 - a) 450 km
 - b) 75 km
2. 6 cans of Brand A soup cost \$7.74.
4 cans of Brand B soup cost \$5.44.
Which brand is the better buy?
3. Hannah works at a veterinarian office. She needs to give a dose of medicine to a 24 kg dog. The recommended dose is 25 mL to a dog that weighs 10 kg. Determine the dose Hannah should give to the 24 kg dog.

Exceeding Standard (Level 4)

4. There are **260** Grade 9 students at a high school.
- 80% of these students attend a dance
 - $\frac{3}{4}$ of the Grade 9 students **who attend** the dance buy their tickets at the door

How many students in Grade 9, who attend the dance, buy their tickets **before** (not at the door)?

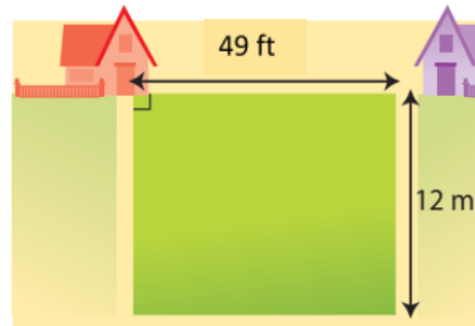
5. In Chatham Kent County, 129 522 acres of land was harvested for corn in 2011 with a yield of 22 018 740 bushels. In Lambton County, 408 square kilometers of land was harvested for corn with a yield of 14 114 660 bushels. Which county produced more corn per acre?

Conversion 247.105 acres = 1 km ²

Extending Standard (Level 4+)

6. The mass of grass seed needed to seed a yard depends on the area of the yard. Five kilograms of seed cover 100 m^2 .

Seed is sold in 8-kg bags. One bag of seed costs \$21.20. How much will it cost to seed the lawn?



Conversion
 $3 \text{ ft} = 0.9144 \text{ m}$