

REAL SCIENCE: THE PRICE OF GAS AROUND THE WORLD

INTRODUCTION

Most nations use litres (L) to measure fuel. However, some nations use “gallons” in measuring fuel. Even more confusing, there are 2 types of “gallons”: the US gallon and the imperial gallon.

The US liquid gallon is used in Colombia, Dominican Republic, Ecuador, El Salvador, Guatemala, Haiti, Honduras, Liberia, Nicaragua, Panama, Peru, and the United States. 1 US gallon = 3.8L

The imperial gallon is used in Great Britain, Antigua, Barbuda, Belize, Burma (Myanmar), Cayman Islands, Grenada, Guyana, and Sierra Leone.
1 imperial gallon = 4.5L

In this activity, you'll determine which countries on the following list have the most expensive (and cheapest) fuel. Convert all gas prices on the following chart to CAD/L (Canadian dollars per litre) and rank on the table on the flip side of this worksheet

Country	2017 Retail gas prices	Currency Exchange
Canada	1.26 CAD/L	
Ecuador	1.50 USD/gal	1 CAD = 0.807 USD
Germany	1.34 EURO/L	1.47 CAD = 1 EURO
Great Britain	5.31 GBP/gal	1.605 CAD = 1 GBP
Colombia	8440 COP/gal	1 CAD = 2363 COP
Japan	130 JPY/L	1 CAD = 89 JPY
Liberia	356 LRD/gal	0.01078 CAD = 1 LRD
Myanmar	3208 MMK/gal	1 CAD = 1097 MMK
Peru	12.20 PEN/gal	0.383 CAD = 1 PEN
Sierra Leone	27040 SLL/gal	1 CAD = 6070 SLL
Sweden	14.13 SEK/L	0.155 CAD = 1 SEK
United States	2.67 USD/gal	1.24 CAD = 1 USD

Rank the above countries from cheapest to most expensive retail gas prices.

	Country	Retail Gas Price (in CAD/L)
Cheapest Gas		
Most Expensive Gas		

KEY:

	Country	Retail Gas Price (in CAD/L)
Cheapest Gas	Ecuador	0.49 CAD/L
	Myanmar	0.65 CAD/L
	United States	0.87 CAD/L
	Columbia	0.94 CAD/L
	Sierra Leone	0.99 CAD/L
	Liberia	1.01 CAD/L
	Peru	1.23 CAD/L
	Canada	1.26 CAD/L
	Japan	1.46 CAD/L
	Great Britain	1.89 CAD/L
	Germany	1.97 CAD/L
Most Expensive Gas	Sweden	2.19 CAD/L