

# Is it worth the trip?

The rapid change in the price of petrol has become common place in recent years. Prices also vary significantly between suburbs towns and states. Some people have developed the habit of scouring apps such as the RACQ's [Fair Fuel Prices](#) to find the best location at which to fill up. But is simply finding the cheapest price and driving to that location effective in terms of minimizing your costs?

Think about your own circumstances, where you live, the type of car your family owns and any other relevant factors before developing a plan to fill up the tank of your car. This plan should include travel to and from the petrol station you select. Write up your plan as a report that includes all relevant factors, how these are included and justifications for any decisions you make.

To assist in your report, consider the following situation: Sam has just finished shopping at the 'The Gap Village Shopping Centre' and realises that the car is almost out of fuel with only about 4 litres left! Although Sam lives just across the road from the shopping centre, the car has to be returned to Jordan (Sam's sibling and the car's co-owner) with a full tank (or as near to). Sam's phone has a route finder app as well as the fuel app. The fuel app shows the following data for surrounding petrol stations:



Name of Petrol Station	Petrol Cost (Cents/Litre)
7 Eleven Albany Creek	120.7
BP Ashgrove (Waterworks Rd)	135.7
BP Stafford	130.6
Puma Everton Park	125.7



Sam's car has the following attributes:

Make/model	Toyota Yaris Ascent Hatch Manual	Fuel Tank	42 L
Fuel Consumption	7.1L / 100km or 14.08km/L	Current Fuel Tank Level	About 4 L

## Which petrol station is the best choice for Sam?