28 SPEEDO

Mabel wants to know how many kilometres per litre of petrol her car travels.

She writes these notes.

Odometer reading at start	Odometer reading at end	Petrol gauge at start	petrol gauge at end
39704·6	40123·2	$\frac{7}{8}$	$\frac{1}{4}$

a Mabel's car holds about 64 litres of petrol.
Estimate the rate of fuel consumption in kilometres per litre?

b Mabel wants to visit her aunt who lives 453 km away.
Estimate how many litres will she need?

c If she travels at an average speed of 75 km/h and she stops twice for half an hour each time, about how long will the journey take?

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