

Use the following template as a guide for laying out your written communication when problem solving.

**Example 1** - A car travelling 54 km/hr [E] accelerates at a constant  $1.5 \text{ m/s}^2$  over a 100m stretch of road.

What is the car's velocity at the end of the 100m?

Givens (check units) or known values.	Diagram or Visual Representation
Concise Solution – reads up and down like a ladder – includes formulas.	Thinking Work – conversions, math checks, algebra work, factoring, etc.
Conclusion – “Therefore” statement that answers the given question above with proper units, direction, notations.	

**Example 2** - A bicycle starts from rest and accelerates to 12m/s [N] over a 4 second time interval.

How far did the bike travel over the 4 seconds?

Givens	Diagram
Concise Solution	Thinking Work
Conclusion	