

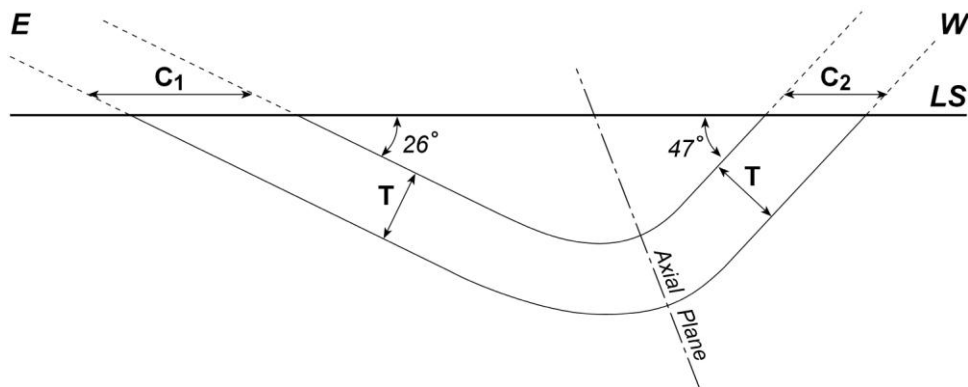
## Geological Mapping Exercise 4 - Answers



Using the skills you gained from Geological Mapping Exercise 3, complete these questions.

1. In the box below draw a sketch cross section to illustrate an asymmetrical syncline with the following features –

- Land surface (LS) is flat
- Thickness of stratum is 2m
- Scale is 1cm = 2m
- Eastern limb dips at 26 degrees to the west
- Western limb dips at 47 degrees to the east



2. Measure from the cross section the width of the two outcrops ( $C_1$  and  $C_2$ ) where the stratum intersects the land surface.

$$C_1 = \underline{4.4\text{m}}$$

$$C_2 = \underline{2.2\text{m}}$$