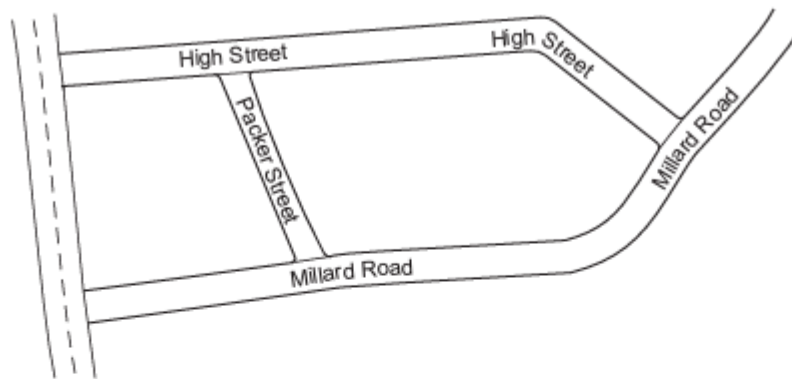


- 5 This map shows part of a village.



Neil knows that Packer Street is 180 m long in real life.

- (a) Neil measures the map.

He says

Packer Street is 3.5 cm long.
High Street is 11.2 cm long.

Therefore, I calculate that High Street is 576 m long in real life.

Use Neil's figures to show that the answer to his calculation is correct.

[3]

- (b) Jodie measures the same map.

She says

I think Packer Street is longer than Neil's measurement of 3.5 cm.
Therefore, High Street must be longer than 576 m in real life.

Is Jodie's reasoning correct?
Show how you decide.

..... [2]

- (c) On another map, Packer Street is 2.4 cm long.

Express the scale of this map in the form 1 : n .

(c) 1 : [2]