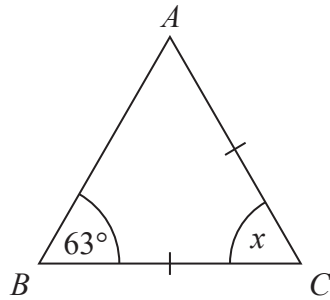


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15 Mary needs to work out the size of angle x in this diagram.



She writes

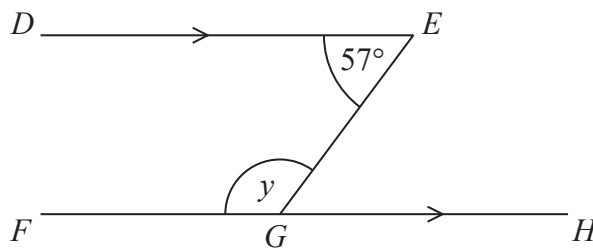
$x = 63^\circ$ because base angles of an isosceles triangle are equal.

Mary is wrong.

(a) Explain why.

(1)

William needs to work out the size of angle y in this diagram.



William writes

Working	Reason
angle $EGH = 57^\circ$	because corresponding angles are equal
$y = 180^\circ - 57^\circ$ $y = 123^\circ$	because angles on a straight line add up to 180°

One of William's reasons is wrong.

(b) Write down the correct reason.

(1)

(Total for Question 15 is 2 marks)

