

Name: _____

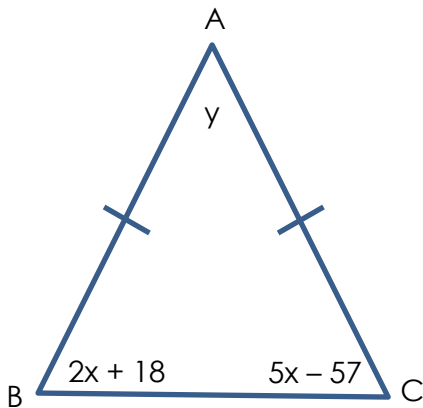
YEAR 11 MINI-ASSESSMENT 7

FOUNDATION – FORMING AND SOLVING EQUATIONS

1. Alan, Beth and Cary each have a bag of sweets.
Alan has x sweets. Beth has 4 sweets less than Alan. Cary has three times as many sweets as Beth.
- (a) Write an expression for the number of sweets Beth has.
- (b) Write an expression for the number of sweets Cary has.
- (c) Together they have 34 sweets. How many sweets does Alan have?

[4 marks]

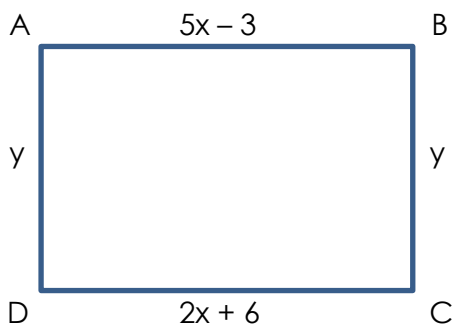
2.



ABC is an isosceles triangle.
Find the value of y .
The diagram has not been drawn accurately.

[5 marks]

3.



The area of rectangle ABCD is 96cm^2 .
Find the value of y .

[4 marks]