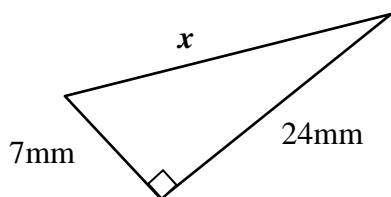


Using Pythagoras' Theorem

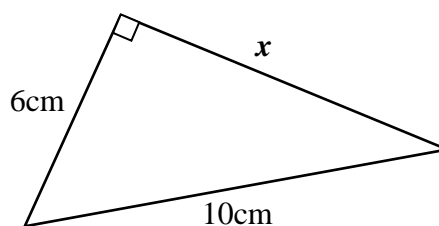
1. Find the length of x in each of the triangles below.

[2, 2]

(a)

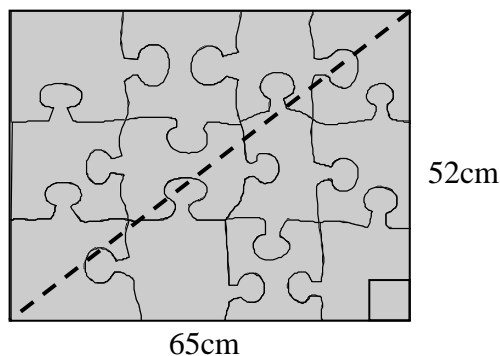


(b)

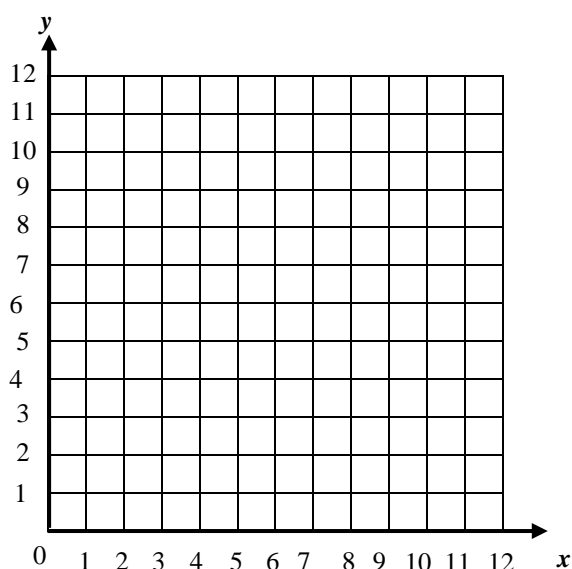


2. A rectangular jigsaw measures 65cm by 52cm. What length is its diagonal?

[2]



3.

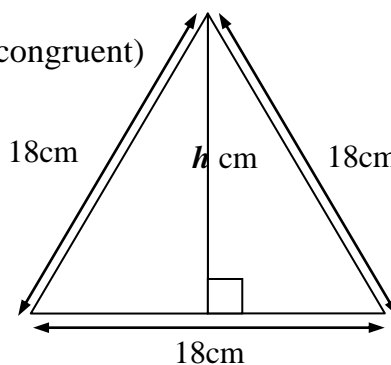


- (a) Plot the points A(3, 1) and B(10, 10)
- (b) Make a right-angled triangle and mark in the lengths of the sides.
- (c) Calculate the length of AB, to 1 dp. [1, 1, 2]

4. An equilateral triangle can be split into two identical (congruent) right angled triangles, as shown here

Calculate the height, h cm, of an equilateral triangle whose sides are each 18cm long.

[3]



[13 marks]