

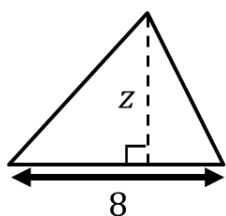
Form and Solve Linear Equations for Problems Involving Area and Perimeter: Exercise 2



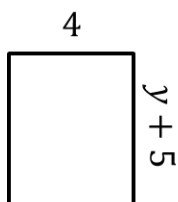
- 1 The area of the rectangle is 42 mm^2 , find the value of y .



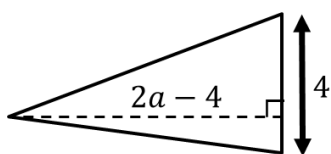
- 2 The area of the triangle is 24 cm^2 , find the value of z .



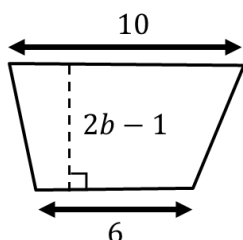
- 3 The area of this rectangle is 48. Determine y .



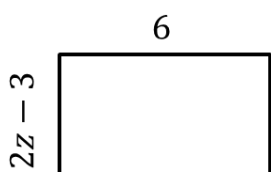
- 4 The area of the triangle is 20 cm^2 , find the value of a .



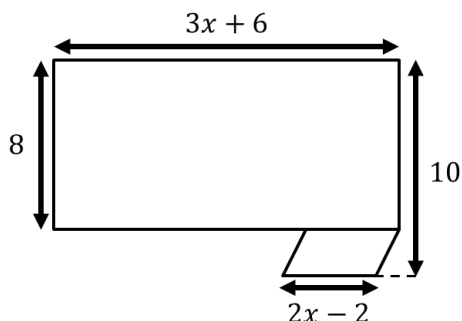
- 5 The area of the trapezium is 72 mm^2 , find the value of b .



- 6 Given that the area of the rectangle is 12 cm^2 , find its perimeter by first finding z .

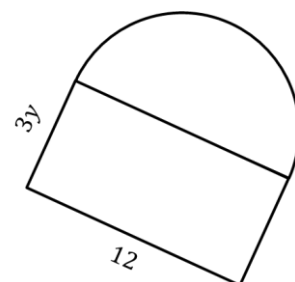


- 7 The compound shape is made up of a rectangle and a parallelogram. It has an area of 100 cm^2 .

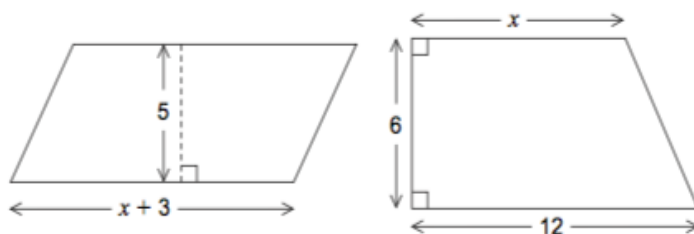


- a Find the value of x .
b Find the area of the parallelogram.

- 8 The compound shape is made up of a semicircle and a rectangle. It has an area of $90\pi \text{ mm}^2$. Find the exact value of y .



- 9 [AQA IGCSE FM Jan2013-P2 Q5]
A parallelogram and a trapezium are shown. All lengths are in centimeters. The area of the parallelogram is equal to the area of the trapezium. Work out the value of x .



- 10 The two areas are equal. Find the value of each area.

