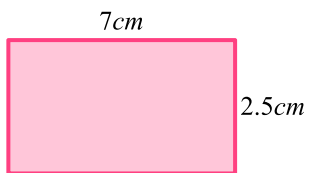


Geometry and Measure (Foundation)

Perimeter and area in rectangles

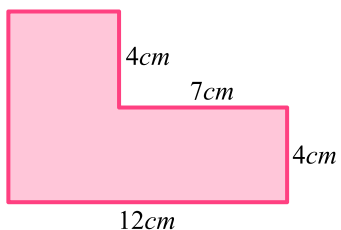
Given the rectangle below, calculate (stating the units):

- a) The perimeter = $19cm$
 b) The area = $17.5cm^2$

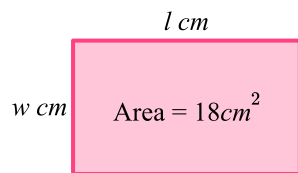


For the given shape, find:

- a) Its perimeter = $40cm$
 b) Its area = $68cm^2$



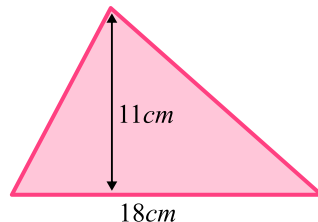
The length (l) and width (w) of this rectangle take integer values. Given that $l > w$, list the possible dimensions of the rectangle.



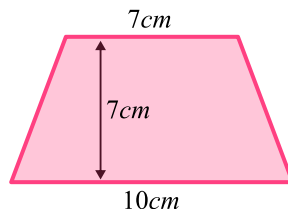
- $w = 1, l = 18$
 $w = 2, l = 9$
 $w = 3, l = 6$

Area of simple shapes

Find the area of this triangle.
 = $99cm^2$



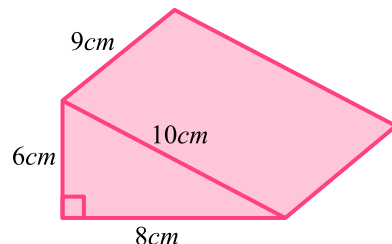
Determine the area of this trapezium.
 = $59.5cm^2$



Volume and surface area

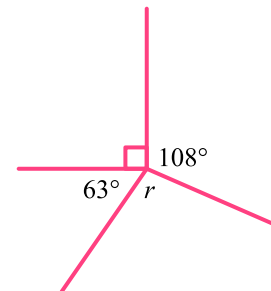
For this triangular prism, find:

- a) The volume = $216cm^3$
 b) The surface area = $264cm^2$



Angles at a point

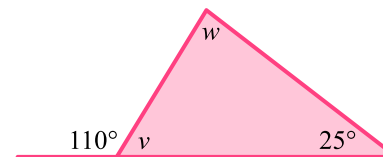
Determine the size of angle r . $r = 99^\circ$



Using angle facts

Find the size of the labelled angles.

- v : 70°
 w : 85°



Exterior angles of polygons

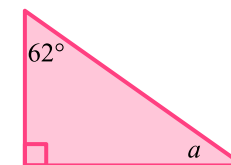
The exterior angle of a regular n -sided polygon is 24° . How many sides does this polygon have?

$$360 \div 24 = 15$$

So 15 sides

Angles in triangle

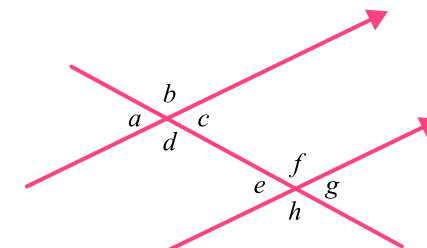
Find the size of angle a . = 28°
 Give a reason for your answer.
 = Angles in a triangle add up to 180°



Angles in parallel lines

State the rule that means

- a) $\hat{b} = \hat{d}$ = vertically opposite angles
 b) $\hat{c} = \hat{g}$ = corresponding angles
 c) $\hat{d} = \hat{f}$ = alternate angles
 d) $\hat{d} + \hat{e} = 180^\circ$ = co-interior angles



Interior angles of polygons

A regular dodecagon has twelve sides. What is the size of the interior angle of a dodecagon?

$$= 150^\circ$$