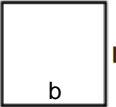
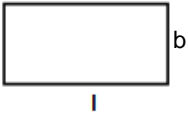
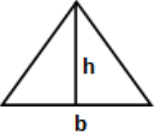
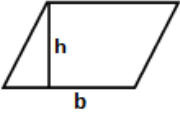
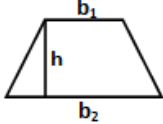
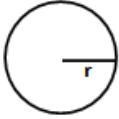
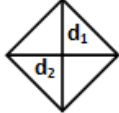


PERIMETER & AREA OF 2D SHAPES - TOPIC 14

Formulas

Shape	Formula
Square 	$A = l \times b$
Rectangle 	$A = l \times b$
Triangle 	$A = 1/2 \times b \times h$
Parallelogram 	$A = h \times b$

Know your formulas!

Trapezoid 	$A = 1/2 \times h \times (b_1 + b_2)$
Circle 	$A = \pi \times r^2$
Rhombus 	$A = 1/2 \times d_1 \times d_2$

Converting Units of Area

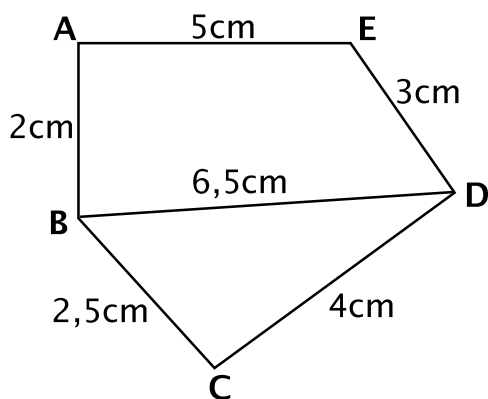
$$1000\text{m} = 1\text{km} \quad 100\text{cm} = 1\text{m} \quad 10\text{mm} = 1\text{cm}$$

$$1\text{cm} = \underline{\hspace{2cm}}\text{mm} \quad 2\text{m} = \underline{\hspace{2cm}}\text{cm} \quad 0,27\text{m} = \underline{\hspace{2cm}}\text{cm}$$

$$1\text{cm}^2 = \underline{\hspace{2cm}}\text{mm}^2 \quad 2\text{m}^2 = \underline{\hspace{2cm}}\text{cm}^2 \quad 0,27\text{m}^2 = \underline{\hspace{2cm}}\text{cm}^2$$

Perimeter

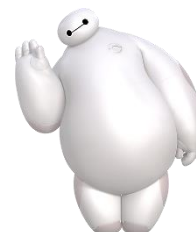
The perimeter of a polygon is the sum of the lengths of the **OUTER** sides.



Calculate the perimeter of polygon ABCDE.

$$\begin{aligned} \text{Perimeter} &= \underline{\hspace{4cm}} \\ &= \underline{\hspace{2cm}}\text{cm} \end{aligned}$$

We **DO NOT** include line **BD** because it is **INSIDE** the polygon.

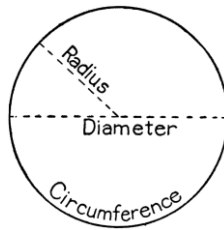


Circles

Area = _____

Perimeter = _____

= _____

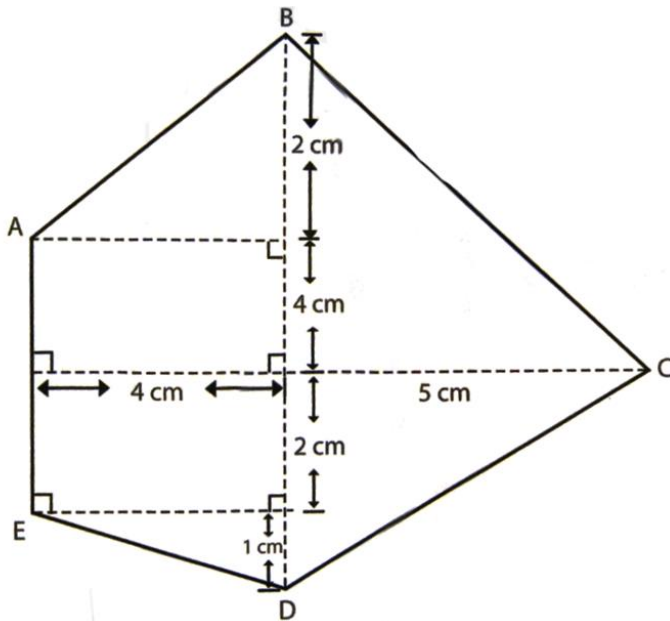


Diameter = _____

Radius = _____

Composite Shapes

A composite shape is a shape that can be divided into two or more basic shapes.



Calculate the area of ABCDE

Calculate the perimeter of ABCDE

Equations involving Area & Perimeter

The area of a rectangle is 200cm^2 and its length is 50cm . Determine the width of the shape.
