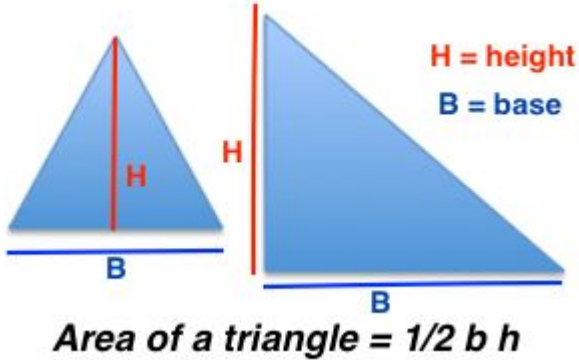


# Year 7 - Area

# Definitions / Key terms

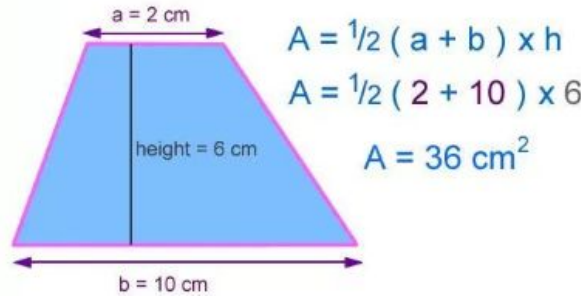
## Triangle HM:557-558



## Area of Trapezium

The area of a Trapezium equals half the sum of the parallel sides, times the height between them.

$$A = 1/2 (a + b) \times h \quad \text{HM: 559}$$

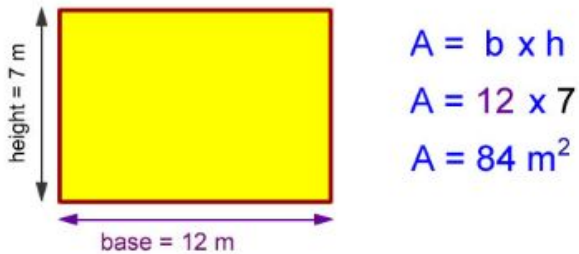


## Area of Rectangle

The area of a Rectangle equals the base times the height.

HM:554

$$A = b \times h$$

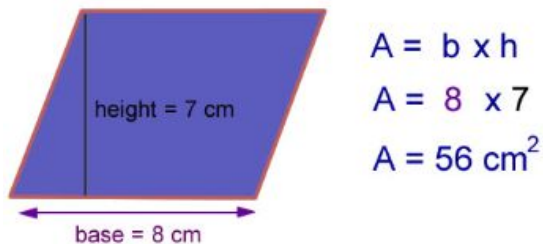


## Area of Parallelogram

The area of a Parallelogram equals the base times the height.

HM:556

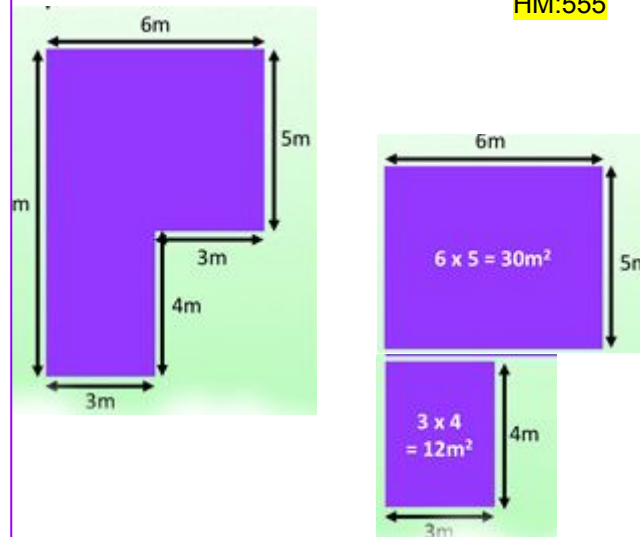
$$A = b \times h$$



## Compound Shapes

To find the area, split the compound shape into smaller shapes. Work out the area of each part and then find the total.

HM:555



Area	The space inside a 2D shape	 area: $3^2 = 9$
Quadrilateral	A 4 sided shape	
Rectangle	4 sides, 2 pairs of parallel and equal sides, 90° angles	
Parallelogram	4 sides, 2 pairs of parallel sides	
Trapezium	4 sides, 1 pair of parallel Sides	
Compound Shape	A shape made up of smaller basic shapes	