Area (Triangles & Parallelograms)

Finding the Area

The area of a shape is the amount of space inside it.
It can be found through area formulas.

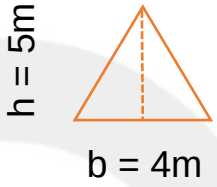
When measuring area, we use **square units**.
Square units measure the space inside a shape.

Area of a Triangle

$$A = \frac{1}{2} \times \text{Base} \times \text{Height}$$

EXAMPLE: $A = \frac{1}{2} \times 4m \times 5m = 10m^2$

There are 10 (1m by 1m) squares inside.

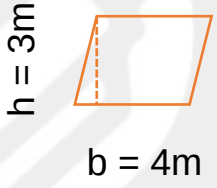


Area of a Parallelogram

$$A = \text{Base} \times \text{Height}$$

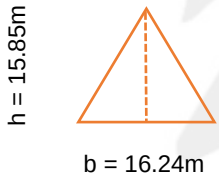
EXAMPLE: $A = 4m \times 3m = 12m^2$

There are 12 (1m by 1m) squares inside.

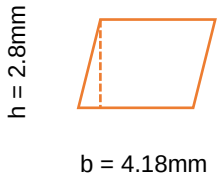


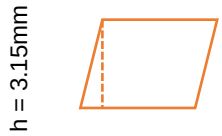
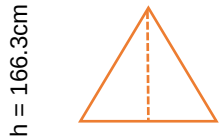
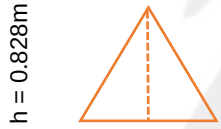
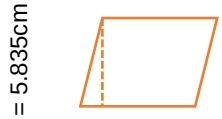
Instructions: Find the area of the shapes below (round to two decimals).

1



2



3	 h = 3.15mm b = 5.9mm
4	 h = 166.3cm b = 171.9cm
5	 h = 14.97m b = 19.27m
6	 h = 199.01m b = 222.48m
7	 h = 0.828m b = 1.058m
8	 h = 5.835cm b = 8.769cm

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Area of a Triangle

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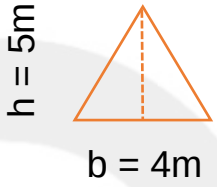
There are 10 (1m by 1m) squares inside.

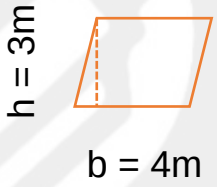


Area of a Parallelogram

$$A = \text{Base} \times \text{Height}$$

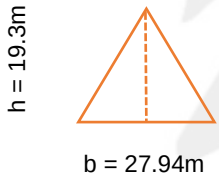
EXAMPLE: $A = 4m \times 3m = 12m^2$

There are 12 (1m by 1m) squares inside.

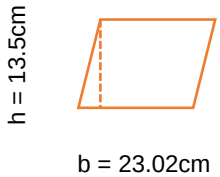


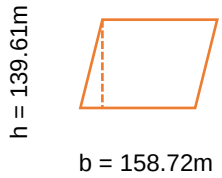
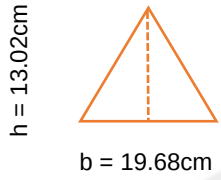
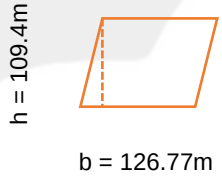
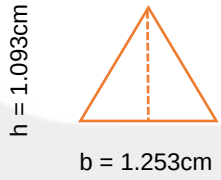
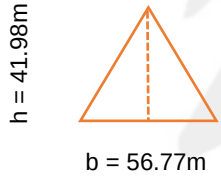
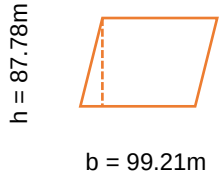
Instructions: Find the area of the shapes below (round to two decimals).

1



2



3	 h = 139.61m b = 158.72m
4	 h = 13.02cm b = 19.68cm
5	 h = 109.4m b = 126.77m
6	 h = 1.093cm b = 1.253cm
7	 h = 41.98m b = 56.77m
8	 h = 87.78m b = 99.21m