

AREA

MNU 3 11-a

I can solve practical problems by applying my knowledge of measure, choosing the appropriate units and degree of accuracy for the task and using a formula to calculate area or volume when required.

Pupils should be able to:

- Find areas of shapes made from rectangles drawn on cm grids
- Estimate areas of irregular shapes drawn on cm grids
- Know standard units of area, using notation sq cm, sq m, cm² and m²
- Estimate small areas using sq mm (mm²)
- Calculate areas of rectangles and squares using the formula $A=lb$
- know meaning of hectare, and relationships with sq m and sq km
- Calculate areas of compound rectangular shapes
- Calculate areas of right-angled triangles
- Calculate the area of any triangle using the formula $A = \frac{1}{2}bh$

PUPILS SHOULD COMPLETE THE FOLLOWING EXERCISE AND ASSESS THEIR PROGRESS BY TICKING ONE OF THE OPTIONS FOR EACH TOPIC IN THE TABLE BELOW

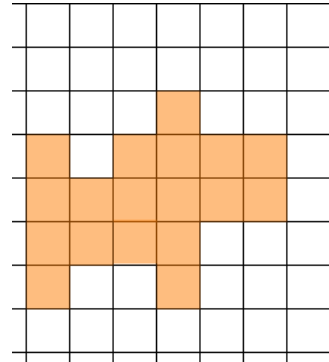
	DEVELOPING	CONSOLIDATING	SECURE
Area of shape on grid (Question 1)			
Area of squares and rectangles from formula (Question 2)			
Units (Question 3)			
Compound rectangular shapes (Question 4)			
Areas of Triangles (Question 5)			

mymaths / shape / area & perimeter / area of rectangles
mymaths / shape / area & perimeter / area of a triangle

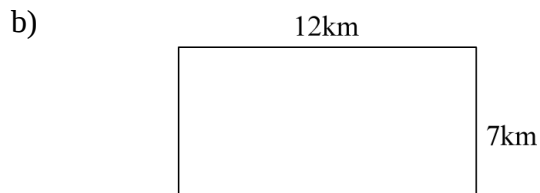
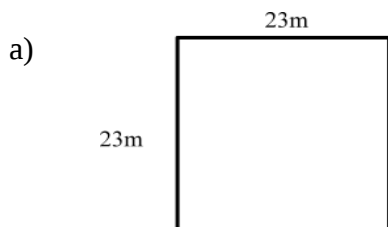
SELF EVALUATION EXERCISE

DATE DUE _____

1. Calculate the area of this shape by counting the squares.

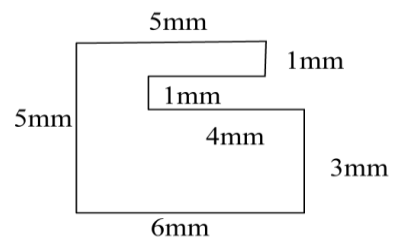


2. Calculate the areas of these shapes, including the units.



3. How many hectares are in (i) $30\,000\text{ m}^2$ (ii) 4 km^2

3. Calculate the area of this shape, stating the units.



5. Find the areas of these triangles and give the correct units.

