

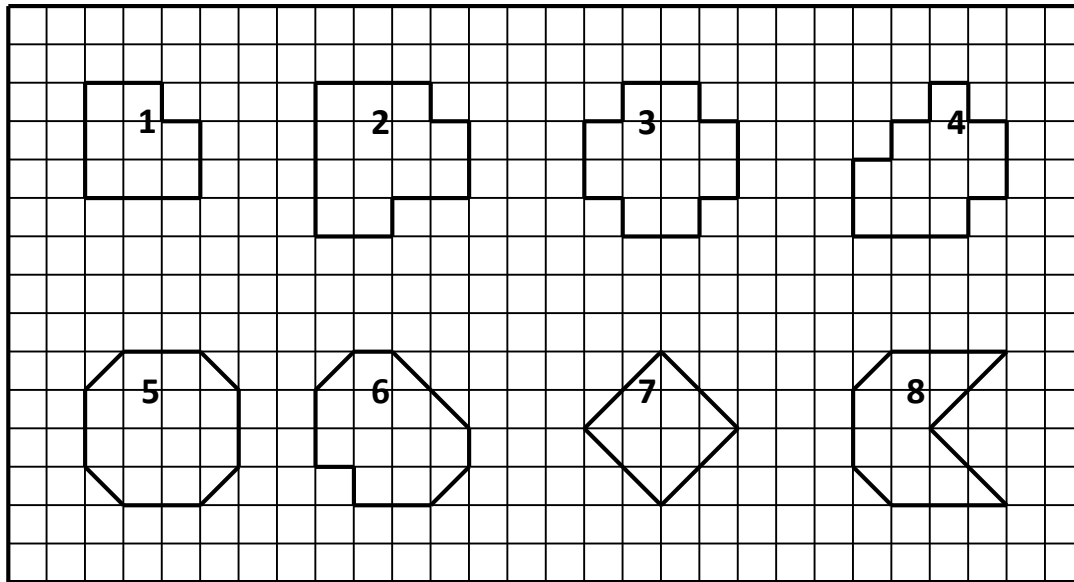
Name: _____

Unit 2 – Measurement

2.7 – Area

- we can think of **area** as the number of square units needed to cover a surface.
- the units needed to measure this property are **units²** i.e. m², cm², in², ft², etc.
- each area unit is formed by a square (all sides are the same length).

e.g. Determine the area, in square units, of each figure in the grid. **HINT:** Count the number of squares it takes to cover the surface of each shape.



- 1) _____
- 2) _____
- 3) _____
- 4) _____
- 5) _____
- 6) _____
- 7) _____
- 8) _____

Area Formulas

Use the Area Formulas given on the right to calculate the area of any of the given shapes.

Figure	Diagram	Area (in square units)
Square		a^2
Rectangle		lw
Parallelogram		bh
Trapezoid		$\frac{1}{2}(a + b)h$
Triangle		$\frac{1}{2}bh$
Circle		πr^2

- when calculating the area of any standard shape, it is a good idea to first determine what type of shape that you have.
- once you know this, you can then choose the appropriate formula to use.

e.g. Determine the area of each figure below. Make sure to label the type of figure that you have first. Show your calculations and include the proper units.

