

Maths Workout - Geometry & Measures

Topic 11 - Area				
Target 1	Target 2	Target 3	Target 4	Target 5
<i>Estimate the area of shapes by counting squares and half-squares</i>	<i>Calculate the area of a square, rectangle and complex shape Convert between metric units of area</i>	<i>Calculate the area of a triangle and complex shapes with triangular elements</i>	<i>Calculate the area of a circle and complex shapes with circular elements</i>	<i>Calculate the area of a kite, rhombus, trapezium, parallelogram and complex shape</i>
1. Estimate area by counting squares	1. Calculate the area of a square and rectangle; whole number sides	1. Demo: Understand how the area of a triangle can be shown to be half the area of a rectangle	1. Demo: Understand how the area of a circle can be shown to be πr^2	1. Demo: Understand how the area of a kite can be shown to be half the area of the surrounding rectangle
2. Estimate area by counting squares	2. Calculate the area of a square and rectangle; decimal side values	2. Demo: calculate the area of a triangle	2. Calculate the area of a circle given the radius or diameter	2. Calculate the area of a kite
3. Estimate area by counting squares	3. Demo: Understand how to calculate the area of a complex shape	3. Calculate the area of a triangle	3. Calculate the area of a shapes with circular elements	3. Demo: Understand how the area of a parallelogram is the area of a rectangle
4. Estimate area by counting squares	4. Calculate the area of a complex shape	4. Calculate the area of a triangle	4. Calculate the area of a shapes with circular elements; extension	4. Calculate the area of a parallelogram
	5. Calculate the area of a complex shape	5. Calculate the area of a complex shape with triangular elements	5. Calculate the area of a shapes with circular elements; extension	5. Demo: Understand how the area of a rhombus can be calculated as a kite or a parallelogram depending on the information given
	6. Demo: Understand how to calculate the area of a shape with a cut-out	6. Calculate the area of a complex shape with triangular elements	6. Calculate the area of a shapes with circular elements; extension	6. Calculate the area of a rhombus
	7. Calculate the area of a shape with a cut-out		7. Calculate the area of a shapes with circular elements; extension	7. Demo: Understand how the area of a trapezium can be calculated as a rectangle
	8. Convert between square units			8. Calculate the area of a trapezium
	9. Solve problems on perimeter and area			9. Calculate the area of a complex shape
	10. Solve problems on perimeter and area			10. Calculate the area under a graph; extension