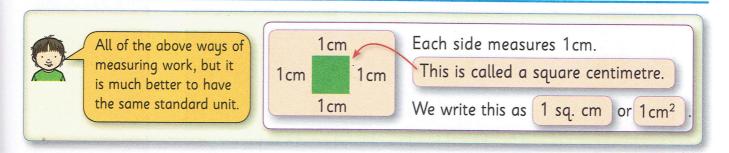
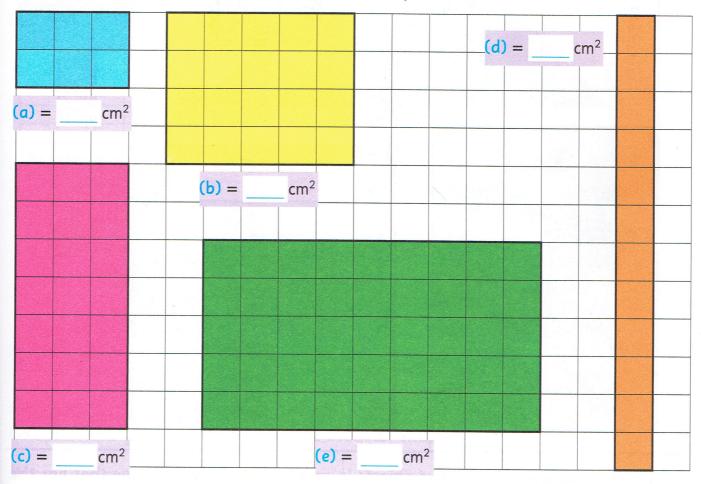
Chapter 32: Area

We call the measure of the surface of an object its **area**. We may use different non-standard units to measure the following.

1	surface area of	measured with	estimate	actual
(a)	this page	playing cards		
(b)	desktop	envelopes		
(c)	classroom door	maths books		



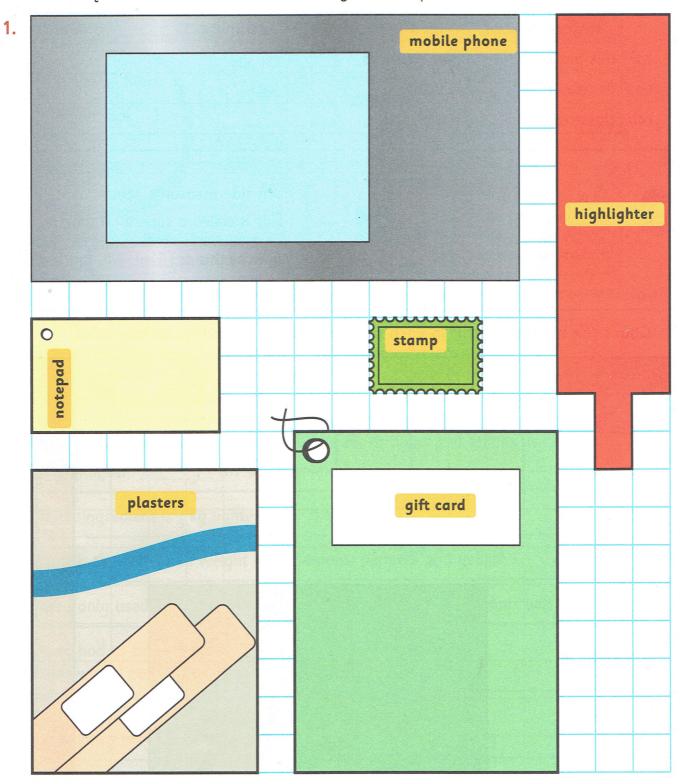
2. Count the number of cm2 in each of these shapes to find its surface area.



3. How many cm² would a rectangle 6cm long and 4cm wide cover? ____cm²

Area - Using a cm² grid

Each of the shapes on this square centimetre grid is an everyday object. Count the square centimetres (cm²) covered by each shape to find its area.



2.	Write the names	of the	above	objects	in	order,	starting	with	the	one	that	has	the
	smallest area.												

4.5	
(i)	

1		
(ii)		

(iii)	
	_

(v)		
(.)		

Area - Irregular shapes

It is easy to count the full ${\sf cm}^2$ in regular shapes. Here are some tips for **irregular** shapes and **triangles**.



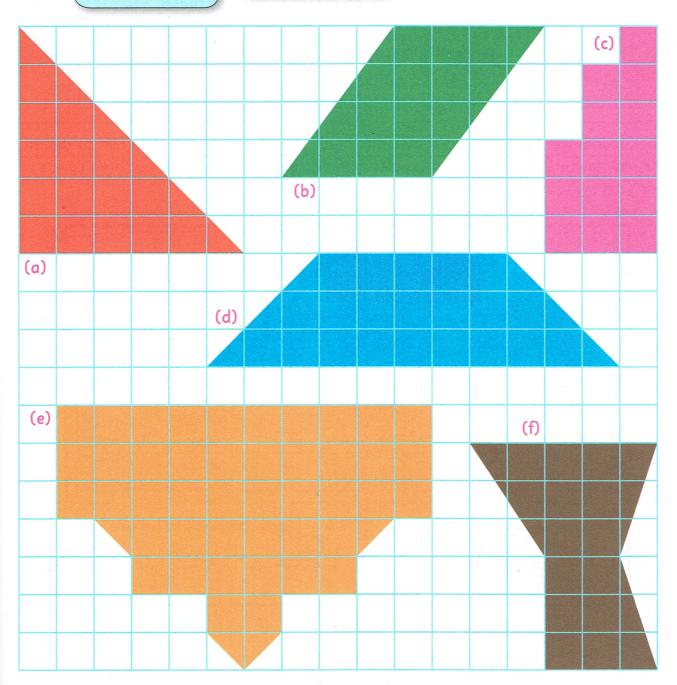
Count all $\frac{1}{2}$ cm², remembering that two $\frac{1}{2}$ cm² = 1cm².

Count as full cm² any squares that are more than $\frac{1}{2}$ cm².





Ignore any square that is less than $\frac{1}{2}$ cm².



Complete this grid, based on the above irregular shapes.

Shape (a): estimatecm²	actualcm²	Shape (b): estimatecm²	actualcm²
Shape (c): estimatecm²	actualcm²	Shape (d): estimatecm²	actualcm²
Shape (e): estimatecm ²	actualcm²	Shape (f): estimatecm²	actualcm²