

Maths Homework: Angles Code Breaker

First answer each question about angles. Then, find the letter that corresponds to each answer in the grid to spell out words related to sustainability.

A	B	C	D	E	F	G	H	I	J	K	L	M
125	4	360	87	180	60	1	56	0	350	100	720	57
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
135	45	109	3	90	200	225	120	300	58	2	270	315

There are three levels from easy to challenge. Choose one that should challenge you or do all three! This task will consolidate the work you have been doing this week.

Level One



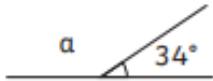
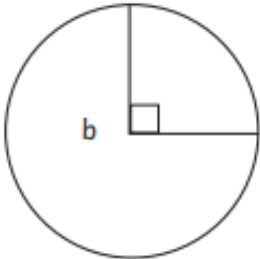
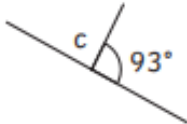
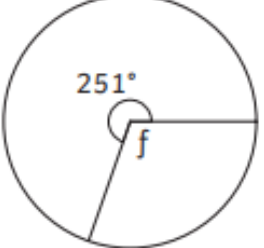
2

	Answer	Letter
How many degrees is a clockwise turn from north to south-east?		
How many degrees is a clockwise turn from east to west?		
How many degrees is an anti-clockwise turn from south to north-west?		
How many degrees is a clockwise turn from south to south-east?		
How many degrees is an anti-clockwise turn from north-west to south-east?		
How many degrees is a clockwise turn from south-east to south-west?		
How many degrees is an anti-clockwise turn from south-west to south?		

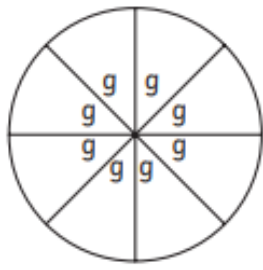
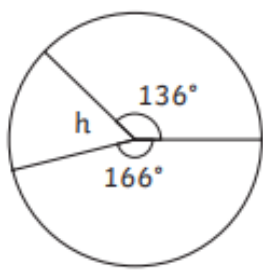
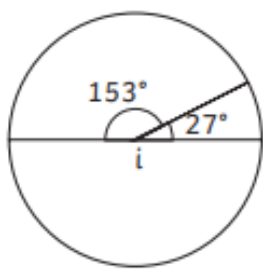
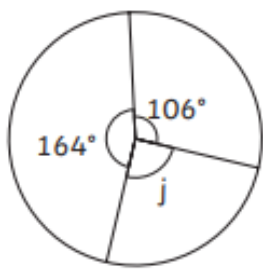
The word is _ _ _ _ _

Level Two

3 Calculate the size of the missing angles.

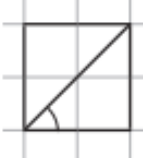
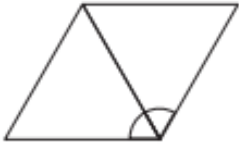
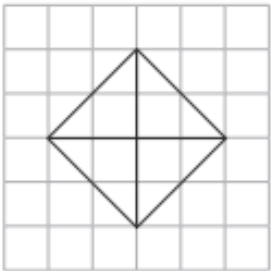
	Answer	Letter
		
		
		
		
		
		

Word: _____

	Answer	Letter
		
		
		
		

Level Three

4

	Answer	Letter
How many right angles are there in a rectangle?		
How many right angles are there in an equilateral triangle?		
Calculate the size of the marked angle. 		
Calculate the size of angle x. 		
This composite shape has been made using identical triangles to the one above.  Calculate the size of the marked angle.		
Calculate the total of the angles in this triangle. 		
Calculate the total of all the angles in these four triangles. 		

The word is _ _ _ _ _