

Question	Answer	Mark	Mark scheme	Additional guidance
13	105	M1	for a method to find an unknown angle, eg angle $BCD = 120$ <b>or</b> angle $BCD = 360 - 120 - 2 \times (180 - 120) (= 120)$ <b>or</b> angle $BCE = 180 - 120 (= 60)$ <b>or</b> angle $DCF = 180 - 120 (= 60)$	Angles may be seen on diagram. Angles must be clearly labelled on the diagram or otherwise identified.
		M1	for a complete method to find the value of $x$ , eg ( $x =$ ) $360 - "120" - 45 - 90 (= 105)$	
		C2	for 105 as the answer <b>and</b> full reasons for their method, eg vertically <u>opposite angles</u> are equal OR <u>vertically opposite</u> angles are equal <u>angles</u> in a <u>quadrilateral</u> add up to 360 <b>or</b> <u>angles</u> on a straight <u>line</u> add up to 180 <u>angles</u> at a <u>point</u> add up to 360 <u>angles</u> in a <u>quadrilateral</u> add up to 360 <b>or</b> <u>angles</u> on a straight <u>line</u> add up to 180 <u>angles</u> in a <u>quadrilateral</u> add up to 360	Underlined words need to be shown; reasons need to be linked to their method; if student gives any reasons not linked to their method, award maximum C1 only  Accept " $\sphericalangle$ s" for "angles" Accept "4-sided shape" for "quadrilateral"
		(C1	(dep M1) for one correct reason)	For C1, ignore any reasons not linked to their method