15	(a)(i)		96	1	B1
	(ii)	accept ∠ for 'angle' and 2 × or double for twice) For centre allow midpoint/origin (or *O*)/middle/central For circumference allow side/edge/arc/perimeter	Correct reason	1	B1 dep on correct answer in a(i) for angle at the centre is 2 × (double) angle at circumference oe or angle at the circumference is half angle at centre oe or angle at the centre is double the angle at the circumference subtended by the same chord oe or central angle is twice the inscribed angle oe or inscribed angle is half the central angle
	(b)(i)		132	1	B1
	(ii)	accept ∠ for 'angle' and 2 × or double for twice) For centre allow midpoint/origin (or *O*)/middle/central For circumference allow side/edge/arc/perimeter	Correct reason	1	B1 dep on correct answer in b(i) for opposite angles of a cyclic quadrilateral sum to 180° (or are supplementary) Awarding of reason mark for use of 264 as a reflex angle for *DOB* B1 for angle at the centre is 2 × (double) angle at circumference oe or angle at the circumference is half angle at centre oe or angle at the centre is double the angle at the circumference subtended by the same chord oe or central angle is twice the inscribed angle oe or inscribed angle is half the central angle
					Total 4 marks