

Circles

# June 2023 Paper 1

Question	Answer	Mark	Mark scheme	Additional guidance
6	Explanation	C1	<p>for a correct explanation.</p> <p><b>Acceptable examples</b></p> <p>he has labelled the radius incorrectly            the diameter (label) should read radius            the diameter goes from one side (of the circle) to the other            the radius is labelled diameter</p> <p><b>Not acceptable examples</b></p> <p>a label is wrong            there is nothing wrong with his labels            the radius is wrong            the centre is wrong, it should be the radius            he has incorrectly labelled the diameter</p>	<p>Do not accept a statement that is ambiguous, where one aspect contradicts another, eg. “the radius goes from the centre whereas the diameter goes all round the circle”</p>

## June 2024 Paper 3

Question	Answer	Mark	Mark scheme	Additional guidance
10 (a)	radius drawn	B1	for radius drawn	May be drawn freehand provided intention is clear
(b)	chord	B1	cao	

# November 2023 Paper 3

Question	Answer	Mark	Mark scheme	Additional guidance
29	15.6	P1	for beginning process to use Pythagoras to find diameter or radius, eg $3.5^2 + 3.5^2 (= 24.5)$ <b>or</b> $1.75^2 + 1.75^2 (= 6.125)$	Award P1 for a correct Pythagorean statement eg $3.5^2 + 3.5^2 = \text{diameter}^2$
		P1	for complete process to find diameter or radius, eg $\sqrt{3.5^2 + 3.5^2}$ or $\sqrt{24.5} (= 4.94..)$ or $\sqrt{1.75^2 + 1.75^2}$ or $\sqrt{6.125} (= 2.47...)$	4.94.. or 2.47.. truncated or rounded can imply P2
		P1	for process to find circumference of circle, eg $\pi \times "4.94..." (= 15.55...)$ <b>or</b> $2 \times \pi \times "2.47..." (= 15.55...)$	Accept use of 3.14 or better for $\pi$ Accept use of truncated values for 4.94.. or 2.47..
		A1	for answer in range 15 to 16	If an answer is shown in the range in working and then incorrectly rounded award full marks. Award 0 marks for a correct answer without correct supportive working.