

Q1. (2022)

Q	Answer	Mark	Comments
24	Alternative method 1		
	Pair of arcs, equal radii (± 2 mm), centre B , intersecting AB and BC	M1	oe eg single arc, centre B , intersecting AB and BC or single arc, centre B , radius BC (± 2 mm), intersecting AB
	Pair of intersecting arcs, equal radii (± 2 mm), centres the intersections on AB and BC and angle bisector drawn from B at least to the intersection of their arcs	A1	dashed line or condone solid line
	Correct region R shown as the area between AB and a straight line from B to within 2mm of AD	B1	R may be labelled or shaded arcs not required for this mark only SC1 angle bisector for a different angle correctly constructed with arcs
	Alternative method 2		
	Concentric arcs from B , each intersecting AB and BC	M1	intersections with AB and BC must be seen, but full arcs are not necessary
	Two lines from the AB intersection of one arc to the BC intersection of the other arc and angle bisector drawn from B at least to the intersection of their lines	A1	dashed line or condone solid line
	Correct region R shown as the area between AB and a straight line from B to within 2mm of AD	B1	R may be labelled or shaded arcs not required for this mark only SC1 angle bisector for a different angle correctly constructed with arcs
	Additional Guidance		
	Mark any correct construction, ignoring incorrect attempts		
	Unless shaded incorrectly, ignore construction arcs or other lines in the region labelled		
	Bisector drawn with no construction arcs, but region correctly identified		M0A0B1