

Practical drawing guidance

Pearson Edexcel GCSE Mathematics 1MA1 • L028

Teacher use only • Lesson resources

REACH FOR THE STAR | GCSE MATHEMATICS

Perpendicular bisector passes through midpoint 4 cm from A and B, with equal-radius arcs from A/B intersecting above and below. Perpendicular at a point: mark equidistant points on the line then bisect that segment using arcs. Angle bisector gives 35° each: equal arc distances on the rays then equal-radius intersecting arcs. Two circle intersections for centres 6 cm apart/radii 4 cm. Classroom checks: lengths within 1 mm, angles within 2° ; these are local drawing tolerances, not Pearson mark-scheme tolerances. Require construction evidence, not a measured imitation.

Diagnostic response

If a midpoint is guessed, demand two pairs of arcs. If distance to a line is slanted, compare it with a perpendicular. If a circle is shaded for exactly 3 cm, distinguish boundary from region. Recheck with the practical sheet.

This is formative drawing evidence, not an additional scored assessment. Check method, labels and reasons; do not infer understanding from neatness or completion. Full assessment solutions remain in the teacher package.