| | | | | |
|---|---|---|---|---|
| **3** | *ADC* = 180 – 58 (= 122) **or** *EDF* = 122 **or** *CDE* = 58 **or** *ADF* = 58 | | | M1 may be seen marked on the diagram |
| | e.g. *DEF* = 58 ÷ 2 **or** *DEF* = (180 – 122) ÷ 2 | | | M1 complete method to find angle *DEF* |
| | | 29 | | A1 |
| | | | 5 | B2 dep on M2 for fully correct reasons for their method (B1 dep on M1 for one correct reason stated and used) e.g. Allied angles, co-interior angles, Alternate angles, Corresponding angles, Vertically opposite angles are equal (or Vertically opposite angles are equal), Angles on a straight line add up to 180°(or angles on a straight line add to 180°), Sum of two angles in a triangle are equal to opposite exterior angle, Angles in a triangle add up to 180°(or Angles in a triangle add up to 180°), Base angles in an isosceles triangle<br>Angles in a quadrilateral add up to 360. (accept "4-sided shape"or parallelogram)<br>Opposite angles of a parallelogram are equal |
| | | | | **Total 5 marks** |

| | | | | |
|---|---|---|---|---|
| **4** | eg 76 ÷ (5 + 2 – 3) oe (= 19) or<br>5*x* + 2*x* – 3*x* = 76 **and** *x* = 76 ÷ (5 + 2 – 3) (=19) oe | | | M1 For a correct method to find the value of 1 share |
| | 3 × "19" (= 57) | | | M1 |
| | "57" – 48.5(0) | | | M1 |
| | | 8.5(0) | 4 | A1 |
| | | | | **Total 4 marks** |