QUESTION 1.1

(a) $20 = u_1 + 3d$ *(A1)*
       $32 = u_1 + 7d$ *(A1)*

> **Note:** Award *(A1)* for each equation, *(A1)* for correct answer.

   OR

   $d = \dfrac{32 - 20}{4}$ *(A1)(A1)*

> **Note:** Award *(A1)* for numerator, *(A1)* for denominator.

   $d = 3$ *(A1)*   *(C3)*

(b) $\dfrac{10}{2}(2 \times 11 + 9 \times 3)$ *or* $\dfrac{10}{2}(11 + 38)$ *(M1)(A1)*(ft)

> **Note:** Award *(M1)* for correct substituted formula, *(A1)* for correct substitution, follow through from their answer to part (a).

   OR

   $11 + 14 + \ldots + 38$ *(M1)(A1)*(ft)

> **Note:** Award *(M1)* for attempt at the sum of a list, *(A1)*(ft) for all correct numbers, follow through from their answer to part (a).

   $= 245$ *(A1)*(ft)   *(C3)*