

| Question | | Working | Answer | Mark | Notes |
|----------|--|--|-------------------|------|---|
| 1 | | | 1.2092 | 1 | B0 for 1.20920 or 1.20921 |
| | | | | | Total 1 mark |
| 2 | | $7 - 4n = -123$ or $4n = 130$ | | | M1 for setting the given expression equal to -123 or getting $4n = 130$. This mark can also be achieved for getting the 33 rd term as -125 or the 32 nd term as -121 |
| | | $n = \frac{130}{4} = 32.5$ | No + valid reason | 2 | A1 dependent on previous M mark. For ‘No’ plus valid reason eg 32.5 is not an integer, is a decimal, is not a whole number, is a fraction (oe) or 130 is not a multiple of 4 etc. or stating that the 32 nd term is -121 and the 33 rd term is -125 Finding $n = 32.5$ and saying no without a reason is A0 |
| | | | | | Total 2 marks |
| 3 | | $133 - 90$ | | | M1 oe eg $90 - (180 - 133)$ or for $90 - 47$ (with the 47 possibly seen on the diagram) |
| | | | 43 | 2 | A1 allow 043 |
| | | | | | Total 2 marks |
| 4 | | $2\frac{7}{10} \times 3\frac{5}{9} = \frac{27}{10} \times \frac{32}{9}$ oe or $2 \times 3 + \frac{7}{10} \times 3 + \frac{5}{9} \times 2 + \frac{7}{10} \times \frac{5}{9}$ | | | M1 correct improper fractions or clear alternative method – this stage must be shown to award any marks |
| | | $\frac{864}{90} = \frac{48}{5} = 9\frac{3}{5}$ or $3 \times \frac{32}{10} = 3 \times \frac{16}{5} = \frac{48}{5} = 9\frac{3}{5}$ | $9\frac{3}{5}$ | 2 | A1 dependent on M1 – must see at least one intermediate step between $\frac{27}{10} \times \frac{32}{9}$ and final answer – all stages of simplification if shown need to be correct. No equivalent answers allowed |
| | | | | | Total 2 marks |