| | | | | | | |
|---|---|---|---|---|---|---|
| **2** | (a)(i) | | 5, 7, 11, 13 | 1 | B1 | |
| | (ii) | | 5, 6, 8, 10, 12, 14, 15 | 1 | B1 | |
| | (b) | | Correct reason | 1 | B1 | eg 9 is not a member of *C*<br>**or** 9 is not in *C*<br>**or** *C* only contains 6, 8, 10, 12, 14<br>**or** 9 is outside of *C*<br>there must be no contradictory or incorrect statements |
| | | | | | | **Total 3 marks** |

| | | | | | | |
|---|---|---|---|---|---|---|
| **3** | (a) | eg<br>$\frac{9.6}{6}$ (= 1.6 oe) **or** $\frac{6}{9.6}$ (= 0.625 oe) **or**<br>$\frac{("GH")}{6} = \frac{4}{9.6}$ oe | | 2 | M1 | for a correct scale factor accept ratio notation<br>eg 9.6 : 6<br>(can be seen near the diagram) |
| | | *Correct answer scores full marks (unless from obvious incorrect working)* | 2.5 | | A1 | oe allow 2,5 |
| | (b) | eg<br>5.7 × "1.6" **or**<br>5.7 ÷ "0.625" **or**<br>$5.7 \times \frac{4}{"2.5"}$ **or**<br>$5.7 \div \frac{"2.5"}{4}$ **or**<br>$\frac{("BC")}{9.6} = \frac{5.7}{6}$ | | 2 | M1 | ft their scale factor from (a) |
| | | *Correct answer scores full marks (unless from obvious incorrect working)* | 9.12 | | A1 | oe ft their scale factor from (a)<br>allow 9,12 |
| | | | | | | **Total 4 marks** |