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|----------|--------|------|----------|
|----------|--------|------|----------|

|      |                                                                                                                                                                                                                                          |       |                                                                                                                                           |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------|
| 6(a) | $2.5 \times 12$ or 30<br>and<br>$7.5 \times 7$ or 52.5<br>and<br>$12.5 (\times 1)$<br>or<br>95                                                                                                                                           | M1    | allow one incorrect midpoint<br>or<br>$[2, 3] \times 12$ and $[7, 8] \times 7$<br>and $[12, 13] (\times 1)$<br><br>ignore $t \geq 15$ row |
|      | $\frac{\text{their } 30 + \text{their } 52.5 + \text{their } 12.5}{12 + 7 + 1}$ or $95 + 20$                                                                                                                                             | M1dep | $t \geq 15$ product must be 0 if seen<br>condone bracket error seen<br>eg $30 + 52.5 + 12.5 + 20$                                         |
|      | 4.75                                                                                                                                                                                                                                     | A1    | accept 4.8 or 5 if full working shown using <b>correct</b> midpoints                                                                      |
|      | <b>Additional Guidance</b>                                                                                                                                                                                                               |       |                                                                                                                                           |
|      | Two correct from 30, 52.5 and 12.5 implies the first mark and could be used to score up to M2                                                                                                                                            |       | M1                                                                                                                                        |
|      | Midpoints used in the ranges [2, 3], [7, 8] and [12, 13] must be seen<br>eg<br>$2.5 \times 12$ and $7 \times 7$ and $12 (\times 1)$<br>or $3 \times 12$ and $7 \times 7$ and $13 (\times 1)$<br>NB These could be used to score up to M2 |       | M1                                                                                                                                        |
|      | Correct products seen in the table but a different method shown in the working lines eg $20 + 4 = 5$                                                                                                                                     |       | M0                                                                                                                                        |

|      |                            |    |  |
|------|----------------------------|----|--|
| 6(b) | Lower than part (a)        | B1 |  |
|      | <b>Additional Guidance</b> |    |  |
|      |                            |    |  |

# Gcse Maths Exam Papers With Answers

**AW Chickering**



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