## 7H Half Term Assessment 1 Solutions



## 7H Half Term Assessment 2 Solutions

| 1 | (a) $95^{\circ}$ | 1 |  |
| :---: | :---: | :---: | :---: |
|  | (b) $102^{\circ}$ | 2 | M1 for 180-(39+39) or 180-78 oe |
|  | (c) $124^{\circ}$ | 3 | M1 for identifying either the angle $69^{\circ}$ or $55^{\circ}$ <br> M1 for69 + 55oe www |
| 2 | (a) 1.4 | 3 | M1 for sight of 28 <br> M1 for dividing their ' 28 ' by 20 |
|  | (b) The modal number of teachers in a car is 1.14 is the frequency of that class. | 1 | oe |
| 3 | (a) Any fraction in the range $\frac{1}{2}<x<1$ | 1 |  |
|  | (b) i) $\frac{2}{3}$ | 1 |  |
|  | ii) $\frac{5}{7}$ | 1 |  |
| 4 | (a) Angle of $128^{\circ}$ drawn correct to $\pm 2^{\circ}$ | 2 | B1 if correct angle drawn but not labelled |
|  | (b) i) $71^{\circ}$ (within $\pm 2^{\circ}$ ) | 1 |  |
|  | ii) $100^{\circ}$ (within $\pm 2^{\circ}$ ) | 1 |  |
| 5 | (a) 12 | 1 |  |
|  | (b) 27 | 1 |  |
| 6 | (a) $x+12$ | 1 |  |
|  | (b) $3 a+9$ | 1 |  |
|  | (c) $3 m+10$ | 1 |  |
| 7 | (a) i) 0.35 | 1 |  |
|  | ii) 0.7 | 1 |  |
|  | (b) i) $60 \%$ | 1 |  |
|  | ii) $2 \%$ | 1 |  |
| 8 | (a) 36 | 1 |  |
|  | (b) 28 | 2 | M for 54-26 |
|  | (c) The meetings in 2010 were longer than the meetings in 2009 on average. <br> OR <br> The meetings in 2010 varied more in length than the meetings in 2009. | 1 | oe <br> oe |
| 9 | (a) $\frac{7}{8}$ or oe | 2 | M1 for $\frac{6+1}{8}$ or other correct common denominator |
|  | (b) $\frac{9}{10}$ or oe | 2 | M1 for $\frac{5+4}{10}$ or other correct common denominator |
|  | (c) $\frac{5}{24}$ or oe | 2 | M1 for $\frac{21-16}{24}$ or other correct common denominator Condone attempt to add for M1 |
| 10 | (a) 37 | 1 |  |
|  | (b) 2 | 1 |  |
| 11 | $x=36^{\circ}$ | 2 | M1 for a correct method or stating the equation $5 x=180$ |
|  | oemeans or equivalent www means without wrong working | ft means follow through |  |

## 7H Half Term Assessment 3 Solutions



## 7H Half Term Assessment 4 Solutions



