1) 

| (a) (i) | 8.4(0) | B2 | B1 for 1.2 or 3.6 seen or $\mathbf{S C 1}$ for figs 84 in answer |
| :---: | :---: | :---: | :---: |
| (ii) | $\frac{\text { their(i) }}{20} \times 100$ oe 42 ft www2 | M1 A1ft | ft their $8.4 \times 5$ <br> After 0 scored SC1 ft for $\frac{20-\text { their }(\boldsymbol{i})}{20} \times 100$ correctly given |
| (b) | 6 | B2 | M1 for 9 or $8 \div(1+8+3)$ soi |
| (c) | $\frac{2.4}{2} \times 3 \quad \text { oe }(=3.6 \text { seen })$ or their (a) (i) $\div 7 \times 3$ $\frac{3}{12} \times 9 \quad \text { oe }(=2.25 \text { seen })$ <br> 1.6(0) cao www3 | M1 <br> M1 <br> A1 |  |
| (d) | $\begin{aligned} & \frac{2.40}{1.25} \text { oe } \\ & \mathbf{1 . 9 2} \text { www2 } \end{aligned}$ | $\begin{aligned} & \text { M1 } \\ & \text { A1 } \end{aligned}$ | Implied by figs 192 |

2) 

(i) $2: 3$
(ii) $30 \div 2 \times 3$ o.e.
3) 2.88
4)
(a) 0.54
(b) 1.61
5)

| (a) | 32 |
| :--- | :--- |
| (b) | 37.5 |

1
E1 Allow 2:3(oe)=30:45

3
M1 $40^{3}$ oe seen A1 2880000
B1ft their $2880000 \div 100^{3}$
or B1 0.000045 M1 $40^{3}$ A1 cao
or M1 $0.4^{3}$ M1 $45 \times 0.4^{3} \quad$ A1
$2 \mid \mathbf{M 1}$ for $\frac{2.7 \times 20000}{100000}$ oe
or SC1 for figs 54 in answer
2 SC1 for figs 161 or M1 $200^{2}$ or $20000^{2}$ seen

B1 figs 32 or 1 cm to 2.5 km or 8000000 seen
B1 (figs 25) ${ }^{2}$ seen or figs 375 in answer
6)
(a) (i) 28 cao
(ii) 420

2

2ft

M1 for $\frac{350 \times 16}{200}$ oe
or $350 \div 12.5$ oe or $1.75 \times 16$ oe
ft for their $28 \times 15$
M1 for their $28 \times \frac{240}{16}$ or $\frac{350 \times 240}{200}$ oe or $1.75 \times 240$ oe
7) $13500 \quad 408$
8) 180
9) 30000
10) (a) (i) 5
(ii) 108

3 M1 $135 \times 10^{2}$ or $408000 \div 10^{3}$ oe A1 A1
$2 \mid$ M1 for $\frac{300 \times 12}{20}$ oe

3 | M2 for $7500 \times 200^{2} / 100^{2}$ oe |
| :--- | :--- |
| or M1 for $200^{2}$ seen |

$2 \mid \mathbf{M 1}$ for $\frac{3 \times 15}{(5+3+1)}$

$2 |$| M1 for $60 \times \frac{9}{5}$ oe |
| :--- | :--- |

