

Yr 9 core mod 4 rev sheet 3 Answers

1)	87.5	1	
2)	495.36	2	M1 for $700 \div 1.4131$
3)	843.75	3	M2 for $\frac{750 \times 5 \times 2.5}{100} + 750$ oe or M1 for $\frac{750 \times 5 \times 2.5}{100}$ oe or SC2 for answer 93.75
4)	$82\% < \frac{23}{28} < 0.83 < \frac{5}{6}$	2	M1 for correct conversion of both fractions to decimals or percentages. Minimum 3 sf. or B1 for correct but reverse order
5)	109 681 final answer 1.09681×10^5	1 1ft	 Their part (a) in standard form
6)	(a) 15 (b) 11.7(0)	2 2	M1 for $\frac{9-3}{0.4}$ oe M1 for 9×1.3 oe
7)	40	1	
8)	11 109	1	
9)	120	2	M1 for $\frac{750 \times 2 \times 8}{100}$ oe seen or SC1 870 as final answer
10)	41	4	M1 for $(500 \times 1.04) \times (1.04)$ oe A1 for 540.8 M1 dep for 'their 540.8' – 500 B1 ft for 'their 40.8' rounded to 41 Alt Method M1 for $[500 + (500 \times 0.04)] \times 0.04$ M1 dep 'their 20' + 'their 20.8' A1 for 40.8 B1 ft for 'their 40.8' rounded to 41
11)	950	2	M1 for $2000 \div (19 + 21)$
12)	$\frac{9}{20}$ cao	1	

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13)	72	2	M1 for $84 \div 7$
14)	454.27 cao final answer	3	M1 for $420 \times \left(1 + \frac{4}{100}\right)^2$ oe and A1 for 454 or 454.2 to 454.3 or SC2 for answer 34.27 or SC1 for answer 34.2 to 34.3
15)	175 cao final answer	3	B2 for 175.4... or M1 for $200 \div 1.14$
16)	10800	1	
17)	£ or pound[s] working must be shown	2	M1 for $425 \div 1.14$ or 365×1.14
18)	$\frac{9}{22}$, 0.41, $\frac{3}{7}$, 43%, $\frac{\pi}{7}$	2	B1 for decimals [0.41] 0.429, 0.409. 0.449 [0.43], or for 4 in correct order
19)	86.7 or 86.74 to 86.75	1	
20)	7.7	2	M1 for $44 \times \frac{17.5}{100}$ oe
21)	944 cao	3	M1 for $800 \times 6 \times \frac{3}{100}$ oe A1 for 144 A1 FT Dependent on M1 scored for <i>their</i> $144 + 800$ evaluated