



Rounding Numbers

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1	6	(a) 0.461939(...) (b) 0.4619 or ft	1 1ft	
2	1	20 (but 3, 4 and 8 must be seen www)	2	M1 3, 4 and 8 seen www
3	3	1.6305 cao	2	B1 4.33(44...) seen or answer 1.63, 1.630,
4	6	3.322 cao	2	B1 3.3219(...) or 3.32(20) seen
5	5	64000 or 6.4×10^4	2	SC1 for 63800 or 6.38×10^4 or figs 64 or 6.4×10^k in answer space.
6	3	(a) 3.26077... (b) 3.261	1 1ft	seen their (a) to 4 significant figures
7	1	(a) 8000 cao (b) 0.08 cao	1 1	
8	2	1.4 cao	2	M1 1.44(...) or 1.45
9	7	8.471 cao	2	B1 for 8.47 or 8.4705 to 8.4706 or $\frac{144}{17}$ or $8\frac{8}{17}$
10	2	(a) 1.32656... (b) 1.327	1 1ft	
11	7	(a) 5.17225... (b) 5.2	1 1FT	FT their (a)
12	2	5.293 cao	2	B1 for 5.29 or 5.292 to 5.2927
13	1	1.37	2	B1 for 0.866... or $\frac{\sqrt{3}}{2}$ or 0.5 or $\frac{1}{2}$ or B1 for 1.366... as final answer
14	4	(a) $\frac{5 \times 2}{20}$ (b) 0.5 or $\frac{1}{2}$ cao	1 1	
15	2	(a) 570 000 (b) 5.69×10^5	1 1	
16	1	8.1722 cao	2	B1 for 8.17 or 8.172 or 8.1721 or 8.17215...
17	6	(a) 15.1 cao (b) 20 cao	1 1	
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18	6	$\frac{\sqrt{4} \times 30}{9 - 3}$ 10 nfw	M1 A1	Allow one error and 2 for $\sqrt{4}$ and 6 for $9 - 3$
19	1	170 cao	1	
20	4	157 900 cao	2	B1 for 158000 or 157860 or 157862 to 157863 If zero scored, SC1 for <i>their</i> answer to more than 4 figs correctly rounded to 4 sf
21	3	3.590 cao	1	
22	2	71 000 cao	1	
23	2 (a)	[0].0402	1	
	(b)	[0].040	1	
24	1 (a)	15000 cao	1	
	(b)	1.5×10^4	1FT	FT <i>their</i> (a)

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