

Paper 1MA1: 1F				
Question	Working	Answer	Mark	Notes
1 (a)		3.65	B1	cao
Q1 (b)		2700	B1	cao

Paper: 1MA1/2F				
Question	Answer	Mark	Mark scheme	Additional guidance
3 (a)	4.56	B1	cao	Accept trailing zeros, eg 4.560
Q2 (b)	7300	B1	cao	Accept trailing zeros, eg 7300.0

Paper: 1MA1/3F				
Question	Answer	Mark	Mark scheme	Additional guidance
7	1.94 m or 194 cm	M1	for 188 or 0.06 or 194 or 1.94	Do not accept numerical answers without the correct unit shown.
Q3		A1	1.94 m or 194 cm	

Paper: 1MA1/2F				
Question	Answer	Mark	Mark scheme	Additional guidance
5 (a)	350	B1	cao	Accept trailing zeros eg 350.0
Q4 (b)	7.7	B1	cao	Accept trailing zeros eg 7.70
(c)	320	B1	cao	Accept trailing zeros eg 320.0

Paper: 1MA1/1F				
Que. tion	Answer	Mark	Mark scheme	Additional guidance
7 Q5	10	M1 A1	for converting $1\frac{1}{4}$ hours or $\frac{1}{4}$ hour to minutes eg. $1\frac{1}{4}$ hours = 60 + 15 (= 75) or $\frac{1}{4}$ hour = 15 minutes or for converting 1 hour 25 minutes to minutes eg 60 + 25 (= 85) cao	Condone absence of units in the working

Paper: 1MA1/1F				
Que. tion	Answer	Mark	Mark scheme	Additional guidance
8 Q6	400	P1 P1 A1	for finding the total weight of 4 blocks, eg 650×4 (= 2600) or 0.65×4 (= 2.6) or for using 1 kg = 1000g eg $650 \div 1000$ (= 0.65) or 3×1000 (= 3000) for subtraction, eg. $3 \times 1000 - "2600"$ or $3 - "2.6"$ (= 0.4) cao SC B1 for 2350	Writing 1 kg as 1000g is insufficient without it being used in a calculation

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Question	Answer	Mark	Mark scheme	Additional guidance
5 Q7	4000	B1	cao	

Paper: 1MA1/1F				
Question	Answer	Mark	Mark scheme	Additional guidance
1 Q8	3	B1	cao	

Paper: 1MA1/1F				
Question	Answer	Mark	Mark scheme	Additional guidance
13 Q9	10x	B1	for 10x oe	

Paper: 1MA1/2F				
Question	Answer	Mark	Mark scheme	Additional guidance
4 Q10	1.756	B1	cao	

Paper: 1MA1/3F				
Question	Answer	Mark	Mark scheme	Additional guidance
3 Q11	1500	B1	cao	

Paper: 1MA1/3F				
Question	Answer	Mark	Mark scheme	Additional guidance
1 Q12	3	B1	cao	

Paper: 1MA1/2F				
Question	Answer	Mark	Mark scheme	Additional guidance
2 Q13	300	B1	cao	

Paper: 1MA1/2F				
Question	Answer	Mark	Mark scheme	Additional guidance
4 Q14	530	B1	cao	

Paper: 1MA1/1F				
Question	Answer	Mark	Mark scheme	Additional guidance
1 Q15	400	B1	cao	

Paper: 1MA1/2F				
Question	Answer	Mark	Mark scheme	Additional guidance
15 Q16	80	M1	for converting to cm	Can be done at any stage of the problem eg $19.2 \times 100 (=1920)$ or 0.8×100
		M1	for use of scale eg $19.2 \div 24 (= 0.8)$ or $1920 \div 24$ or $[\text{length}] \div 24$	[length] must come from an attempt to change 19.2 metres into cm
		A1	cao	

Paper: 1MA1/3F				
Question	Answer	Mark	Mark scheme	Additional guidance
26 Q17	37 000	B1	cao	

Paper: 1MA1/3F				
Question	Answer	Mark	Mark scheme	Additional guidance
18 Q18	10 000	B1	cao	

Paper: 1MA1/3F				
Question	Answer	Mark	Mark scheme	Additional guidance
27 (a) (b) Q19	0.008	B1	for 0.008 or 8×10^{-3}	May be awarded at any stage
	50	M1	for conversion from km to m eg $180 \times 1000 (= 180\,000)$ or for conversion from hours to seconds eg $180 \div (60 \times 60) (= 0.05)$ or for conversion from km per hour to metres per second, eg $1000 \div (60 \times 60) (= 0.277\dots)$ (Accept $(60 \times 60) \div 1000 (= 3.6)$)	
		M1	for a complete process eg $180 \times 1000 \div 3600$	
		A1	cao	

Paper: 1MA1/3F				
Question	Answer	Mark	Mark scheme	Additional guidance
29 Q20	108	M1	for $30 \times 60 \times 60$ (108000 metres per hour) or $30 \div 1000 (= 0.03$ kilometres per second) or $60 \times 60 \div 1000 (= 3.6$ scale factor)	
		A1	cao	

Paper: 1MA1/3F				
Question	Working	Answer	Mark	Notes
5 Q21		13	M1 M1 A1	for the start of a method, eg. $2 \times 1000 (= 2000)$ or $150 \div 1000 (= 0.15)$ or $1000 \div 150 (= 6.66\dots)$ for a fully correct method, eg. $2000 \div 150$ or $2 \div 0.150$ or $13.3(\dots)$ cao