

Year 11 Higher Non-Calculator Practise Paper 1 Mark Scheme

Question	Answer	Marks	Notes and guidance
1a	a	1	Allow 1a
1b	35ab	1	
2	4	3	Award 1 mark for either 30% of 80 (= 24) or $\frac{3}{4}$ of 35 (= 20) correctly evaluated Award 2 nd mark for both values evaluated
3	$n > 2.5$	2	Award 1 mark for a correct first step to solve seen or implied e.g. $4n > 10$ Accept equivalent answers e.g. $n > \frac{5}{2}$
4	e.g. $2 \times 2 \times 2 \times 2 \times 3 \times 5$	2	Award 1 mark for a process to find prime factors of 240 i.e. a completed prime factor tree Accept equivalent answers
5a	43 100	1	
5b	6.52×10^{-3}	1	
5c	3.2×10^6	2	Award 1 mark for a correct method seen or implied e.g. $(9.6 \div 3) \times (10^6 \div 10^3)$ or $96000 \div 0.03$
6	4	1	

Year 11 Higher Non-Calculator Practise Paper 1 Mark Scheme

7a	$\frac{13}{40}$	2	Award 1 mark for writing each fraction as an equivalent with a common denominator i.e. $\frac{15}{40} - \frac{13}{40}$ Accept equivalent fractions not simplified as a final answer e.g. $\frac{26}{80}$																
7b	$1\frac{1}{5}$	2	Award 1 mark for $\frac{11}{5} \times \frac{5}{5}$ seen or implied																
8	13	2	Award 1 mark for $780 \div 60$ seen or implied.																
9	<table><tr><td>colour</td><td>red</td><td>green</td><td>blue</td><td>yellow</td><td>purple</td></tr><tr><td>Probability</td><td>0.28</td><td>0.17</td><td>0.17</td><td>0.17</td><td>0.25</td></tr></table>	colour	red	green	blue	yellow	purple	Probability	0.28	0.17	0.17	0.17	0.25	2	Award 1 mark for method to find $P(G \text{ or } B \text{ or } Y)$ seen or implied e.g. $1 - 0.49$				
colour	red	green	blue	yellow	purple														
Probability	0.28	0.17	0.17	0.17	0.25														
10a	1 : 2 : 6	2	Award 1 mark for forming an equivalent ratio not its simplest form e.g. 15 : 30 : 180																
10b	£100	2	Award 1 mark for $450 \div 4.5$ seen or implied																
11	0.16	2	Award 1 mark for a correct method seen i.e. 0.4×0.4 or 0.4^2																
12a	<table><tr><td>x</td><td>-8</td><td>-2</td><td>-6</td><td>0</td><td>1</td><td>2</td><td>3</td></tr><tr><td>y</td><td>1</td><td>-3</td><td>-5</td><td>-6</td><td>-3</td><td>1</td><td>7</td></tr></table>	x	-8	-2	-6	0	1	2	3	y	1	-3	-5	-6	-3	1	7	2	Award 1 mark for 3 correct values
x	-8	-2	-6	0	1	2	3												
y	1	-3	-5	-6	-3	1	7												

P44585a Maths Non Calculator Paper Mark Scheme

Yan Bai



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