

MATHEMATICS MAIN PAPER FOR 2017 ENTRY TEST 2 - ANSWERS

1 mark for each correct answer. Total 60 marks.

	ANSWER		
1a	221		
1b	3001		
1c	143		
2a	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="padding: 5px;">3</td> <td style="padding: 5px;">19</td> </tr> </table> or 19 x 3	3	19
3	19		
2b	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="padding: 5px;">7</td> <td style="padding: 5px;">13</td> </tr> </table> or 13 x 7	7	13
7	13		

	ANSWER
3a	72
3b	28
3c	58
3d	(b)
4a	0.25
4b	0.135
4c	5.031

	ANSWER
5a	81
5b	6
5c	5 & 11 (both required)
5d	31

	ANSWER
6a	2305.1
6b	2.3051
7a	<div style="display: flex; align-items: center; gap: 20px;"> <div style="border: 1px solid black; padding: 5px; font-size: 24px;">3</div> <div style="border: 1px solid black; padding: 5px; font-size: 24px;">4</div> </div>
7b	-17 negative must be clear
8	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px; font-size: 24px;">630</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px; font-size: 24px;">15</div> <div style="border: 1px solid black; padding: 5px; font-size: 24px;">14</div>

	ANSWER
9a	350ml
9b	54cm
9c	1.029kg
9d	10.2cm
9e	500mm ²
10	2 hrs 8 minhrs.....min

	ANSWER
11a	£72.00 £72.00p or £ 72 £.....
11b	£75.60p or £ 75.60 £..... (not £75.6)
12	<div style="display: flex; align-items: center; gap: 20px;"> <div style="border: 1px solid black; padding: 5px; font-size: 24px;">7</div> <div style="border: 1px solid black; padding: 5px; font-size: 24px;">4</div> </div> (both required)

	ANSWER
13a	4.4 units <u>not</u> required
13b	49 units <u>not</u> required
13c	2.45 units <u>not</u> required

	ANSWER
14a	6
14b	2400(cm ²) units <u>not</u> required
14c	$\frac{2}{8} = \frac{1}{4}$ (accept either)

	ANSWER
15a	8m*
15b	1s*
15c	2m* (allow 1.7-2.3)

* units are required

	ANSWER
16a	20
16b	$\frac{1}{5}$
16c	72° units <u>not</u> required

	ANSWER
17a	3
17b	41
17c	20
18	✓
	x
	x

	ANSWER
19	3 16 15 3 34
20a	33
20b	20
20c	$\frac{28}{75}$

	ANSWER
21a	49
21b	21
21c	8th