

**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"><tr><td>3</td><td>19</td></tr></table> or 19 x 3	3	19
3	19		
2b	<table border="1"><tr><td>7</td><td>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	<b>2305.1</b>
6b	<b>2.3051</b>
7a	<b>3</b> <b>4</b>
7b	<b>-17</b> negative must be clear
8	<b>630</b> <b>15</b> <b>14</b>

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

	ANSWER
11a	<b>£72.00</b> <b>£72.00p</b> or <b>72</b> £.....
11b	<b>£75.60p</b> or <b>75.60</b> £..... <b>(not £75.6)</b>
12	<b>7</b> <b>4</b> <b>(both required)</b>

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

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

	ANSWER
15a	<b>8m*</b>
15b	<b>1s*</b>
15c	<b>2m*</b> (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