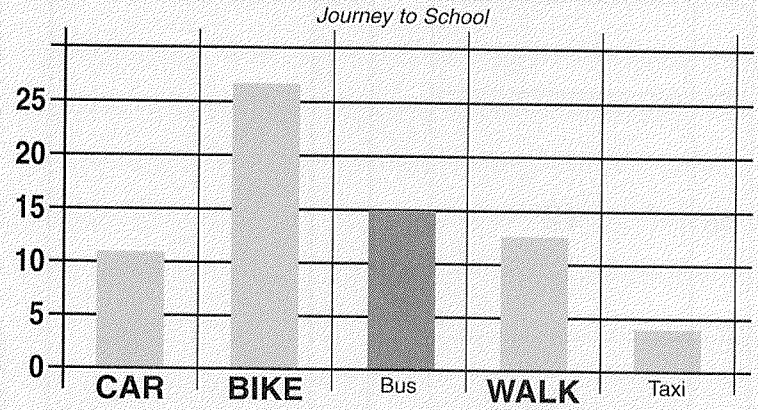


**MATHEMATICS MAIN PAPER FOR 2015 ENTRY TEST 2 – ANSWERS**

1 mark for each correct answer. Total 60 marks.

ANSWER	
1a	<b>27</b> and <b>37</b>
1b	<b>90</b>
1c	<b>18</b> + <b>26</b>
1d	<b>37</b> + <b>25</b> or <b>49</b> + <b>13</b>
1e	<b>27</b>
1f	<b>91</b>

ANSWER	
2a	<b>3.6</b>
2b	<b>0.63</b>
2c	<b>0.88</b>
3a	<b>4 (years)</b>
3b	<b>5</b>
3c	<b>12 (years)</b>
3d	<b>19 (years)</b>



ANSWER	
4a	<b>CAR</b> <b>BIKE</b> <b>WALK</b>
4b	<b>25</b> <b>20</b> <b>15</b> <b>10</b> <b>5</b> <b>0</b>
4c	<b>BUS</b>
4d	<b>13</b>
4e	<i>(See chart)</i>

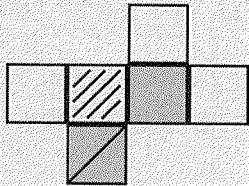
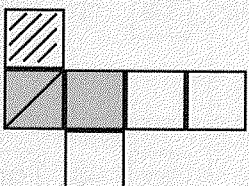
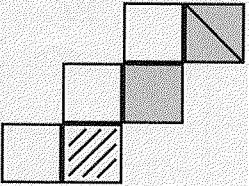
Taxi	4
Walk	<b>13</b>
<b>BUS</b>	15
Bike	27
Car	11
<b>TOTAL</b>	<b>70</b>



	ANSWER
5a	12
5b	192
5c	25, 49 or $5^2, 7^2$
5d	2, 11
6a	>
6b	=
6c	=

	ANSWER
7a	A, B, E
7b	A, E
7c	Z
7d	Z or X or X and Z

	ANSWER
8a	20
8b	-10
8c	30 or a correct subtraction using the candidate's values from A and B above
8d	10 or a correct addition using the candidate's values from A and B above
9a	62
9b	6

	ANSWER
10a	
10b	
10c	

	ANSWER
11a	<b>£5.25 or 525p</b>
11b	<b>27p</b>
11c	<b>£1.08 or 108p</b>
11d	<b>32p</b>

	ANSWER
12a	<b>True</b>
12b	<b>False</b>
12c	<b>False</b>

	ANSWER
13a	<b>0.535</b>
13b	<b><math>\frac{8}{9}</math></b>
13c	<b><math>\frac{1}{3}</math> of 17 (or <math>5\frac{2}{3}</math>)</b>
14a	<b>49 (minutes)</b>
14b	<b>20:06 or 8.06pm or 2006</b>
14c	<b>19:42 or 7.42pm or 1942</b>

	ANSWER
15a	<b>51, 52, 104</b>
15b	<b>110</b>
15c	<b>62</b>
16a	<b>16</b>
16b	<b><math>24\frac{1}{2}</math></b>
16c	<b>64</b>

	ANSWER
17a	<b>2</b>
17b	<b>15</b>