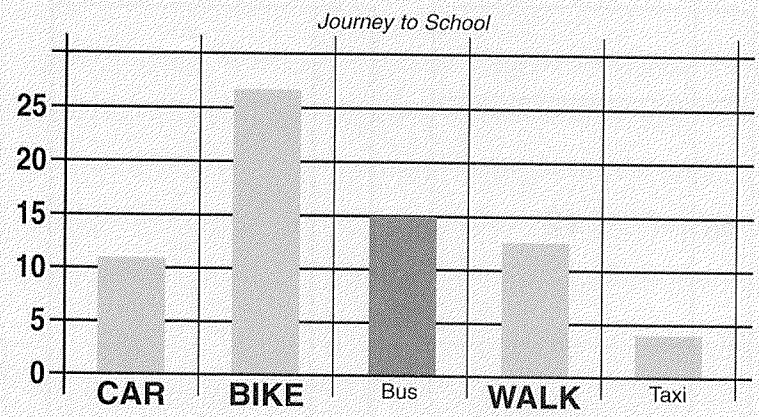
MATHEMATICS MAIN PAPER FOR 2015 ENTRY TEST 2 – ANSWERS

1 mark for each correct answer. Total 60 marks.

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

	ANSWER
2a	**3·6**
2b	**0·63**
2c	**0·88**
3a	**4** (years)
3b	**5**
3c	**12** (years)
3d	**19** (years)



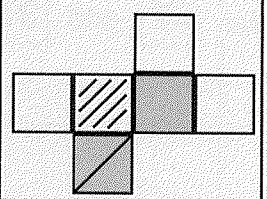
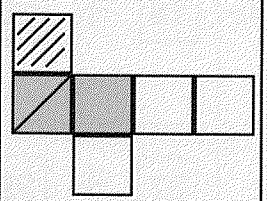
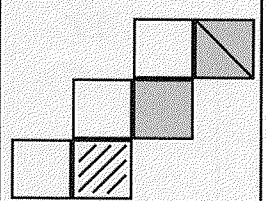
	ANSWER
4a	**CAR** **BIKE** **WALK**
4b	**25** **20** **15** **10** **5** **0**
4c	**BUS**
4d	**13**
4e	*(See chart)*

Taxi	4
Walk	**13**
BUS	15
Bike	27
Car	11
TOTAL	**70**

	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	**£5.25** or **525p**
11b	**27p**
11c	**£1.08** or **108p**
11d	**32p**

	ANSWER
12a	**True**
12b	**False**
12c	**False**

	ANSWER
13a	**0·535**
13b	**$\frac{8}{9}$**
13c	**$\frac{1}{3}$ of 17 (or $5\frac{2}{3}$)**
14a	**49 (minutes)**
14b	**20:06** or **8.06pm** or **2006**
14c	**19:42** or **7.42pm** or **1942**

	ANSWER
15a	**51, 52, 104**
15b	**110**
15c	**62**
16a	**16**
16b	**24½**
16c	**64**

	ANSWER
17a	**2**
17b	**15**