

MATHEMATICS MAIN PAPER FOR 2019 ENTRY TEST 2 – ANSWERS

1 mark for each correct answer. Total 60 marks.

ANSWER	
1a	1123
1b	1476
1c	53
2a	$5\frac{5}{12}$ or $\frac{65}{12}$ or equivalent fraction or recurring decimal
2b	$\frac{19}{40}$ or equivalent fraction or decimal
2c	$2\frac{1}{2}$ or equivalent fraction or decimal

ANSWER	
3a	527
3b	2.625 must be decimal
3c	$1\frac{7}{12}$ or equivalent fraction or recurring decimal
4a	268.1
4b	0.06m^2 accept 0.06 or $\frac{3}{50}$ or equivalent.
4c	150m^2

ANSWER									
5	<table border="1"> <thead> <tr> <th>n</th> <th>$4n-3$</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>5</td> </tr> <tr> <td>12</td> <td>45</td> </tr> <tr> <td>21</td> <td>81</td> </tr> </tbody> </table>	n	$4n-3$	2	5	12	45	21	81
	n	$4n-3$							
	2	5							
	12	45							
21	81								
5a	ANSWER $n = \dots\dots\dots$ 51								
5b	81								
6a	0.0298								
6b	$\frac{1}{3}$								

	ANSWER
7a	$A+B = 4.17$
7b	$0.5A-2B = 0.535$
8a	2
8b	5
9a	51
9b	£5.75

	ANSWER
10a	39
10b	24
10c	$b = -2$ $c - b = 9$
11a	750g
11b	1125g

	ANSWER
12a	57 inches
12b	7920 feet
13a	1249
13b	1975
13c	316

ANSWER	
14	(5 , -3) (3 , 5)
15a	7
15b	24½

ANSWER	
16a	Area = 100cm²
16b	Volume = 1000cm³
17a	Sometimes true
17b	Sometimes true
17c	Always true
17d	Never true

ANSWER	
18	40
19a	A = 135° Units not needed
19b	B = 22° Units not needed

ANSWER	
20a	137 Units not needed
20b	17:13 or equivalent such as 5:13pm but not 5:13
20c	16:55 or equivalent (see 20b)
20d	15:58 or equivalent (see 20b)

ANSWER	
21a	6°C Units not needed
21b	15°C Units not needed
21c	Between 11:00 and 13:00
21d	57.2F Units not needed

ANSWER	
22a	Answer 224
22b	Starting number 0 or 15 Accept either 0 or 15 or both
23	One orange costs 35 pence One apple costs 20 pence