

**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	$0.06\text{m}^2$ accept 0.06 or $\frac{3}{50}$ or equivalent.
4c	$150\text{m}^2$

	$n$	$4n-3$
5	2	5
	12	45
	21	81

  

	ANSWER
5a	$n = 51$
5b	81
6a	0.0298
6b	$\frac{1}{3}$



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

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

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

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

	ANSWER
16a	Area = <b>100cm<sup>2</sup></b> .....
16b	Volume = <b>1000cm<sup>3</sup></b> .....
17a	<b>Sometimes</b> ..... true
17b	<b>Sometimes</b> ..... true
17c	<b>Always</b> ..... true
17d	<b>Never</b> ..... true

	ANSWER
18	40
19a	A =  <b>135°</b> ..... Units not needed
19b	B =  <b>22°</b> ..... Units not needed

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

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

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