

MATHEMATICS MAIN PAPER FOR 2021 ENTRY TEST 2 – ANSWERS

1 mark for each correct answer. Total 60 marks.

	ANSWER
1a	2731
1b	729
1c	46
2a	$\frac{1}{2}$ or equivalent fraction or decimal
2b	$1\frac{1}{4}$ or equivalent fraction or decimal including improper
2c	$\frac{2}{3}$ or equivalent fraction or decimal
2d	$ \begin{array}{r} 3 \quad \boxed{6} \quad 5 \\ + \quad \boxed{8} \quad 1 \quad 7 \\ \hline \boxed{1} \quad 1 \quad 8 \quad \boxed{2} \end{array} $

	ANSWER
3a	5
3b	7
4a	0.31
4b	$\frac{1}{3}$
5a	472.1
5b	$7\frac{1}{2}$ cm or 7.5 cm NOT 75mm

	ANSWER
6a	£10.80 accept 10.80 or 10.8
6b	Apples
6c	3
7a	5
7b	30

	ANSWER
8a	A (-1, 0) D (3, 8) 1 mark is awarded for correctly identifying each of the 3 missing co-ordinates. (Total 3 marks.)
9a	11:34pm or 23:34
9b	7:10pm or 19:10

	ANSWER
10a	30
10b	63
10c	2·1 Allow carry forward of answer (b) ÷ answer (a)

	ANSWER
11a	144 or 144°
11b	126 or 126°
12a	95kg
12b	84kg
12c	8kg

	ANSWER
13a	175 US dollars
13b	42
13c	£ 96.00 or allow 96
14	x = 42 y = 29

	ANSWER
15a	Always true
15b	Sometimes true
15c	Always true
15d	Sometimes true

	ANSWER
16a	32
16b	33rd or allow 33
16c	20th or allow 20
16d	896th or allow 896
17a	x = 21
17b	x = 5

	ANSWER
18a	10·94 or equivalent fraction
18b	2·46 or equivalent fraction
18c	3·72 or equivalent fraction
18d	14
19a	£..... 21
19b	£..... 54
19c	£..... 90

	ANSWER
20a	£..... 2.00 accept 2
20b	£..... 2.50 accept 2·5 Also accept (9·50 –answer a) ÷ 3
20c	£..... 4.50 accept 4·5 Also accept 9 –answer a –answer b

	ANSWER
21a	7
21b	-19
21c	y = 2
21d	x = 5