

MATHEMATICS MAIN PAPER FOR 2022 ENTRY TEST 2 – ANSWERS

1 mark for each correct answer. Total 60 marks.

	ANSWER
1a	4422
1b	4218
1c	58
2a	$\frac{27}{20}$ or $1\frac{7}{20}$ or 1.35 or equivalent
2b	$\frac{29}{42}$ or equivalent
2c	8
2d	$7\frac{1}{2}$ or equivalent

	ANSWER
3a	$\frac{11}{16}$ or equivalent
3b	$\frac{31}{40}$ or equivalent
4a	3120mm
4b	X = 25 metres Y = 20 metres or X = 20 Y = 25

	ANSWER
5a	11
5b	21
5c	3 Goals 7 Penalties
6i	2
6ii	1

7i	ANSWER
	<i>n</i>
	<i>6n−2</i>
	1
	4
7ii	2
	10
	8
	46
8a	15
	88
8b	124
8c	75
8d	80
8e	-3

9a	ANSWER
9b	354
9c	315
9d	678
10a	21
10b	
10c	28
km
10d	7½
litres or 7.5

11a	ANSWER
11b	91
11c	14
12a	
12b	Y = 75
 degrees
12c	X = 18
 degrees
12d	a = 72
 degrees

	ANSWER
13a	False <i>True or False</i>
13b	True <i>True or False</i>
13c	False <i>True or False</i>
13d	False <i>True or False</i>
14a	£ 48
14b	£ 48.96

	ANSWER
15a	57
15b	10
15c	£ 209
16a	£ 72
16b	400

	ANSWER
17	B
18a	(8 0)
18b	(2 -6)

	ANSWER
19a	<div>2</div> <div>hours and</div> <div>34</div> <div>minutes</div>
19b	<div>3</div> <div>minutes</div>
19c	<div>6</div> <div>hours and</div> <div>39</div> <div>minutes</div>
19d	<div>40</div> <div>minutes</div>

	ANSWER
20a	X = 8
20b	Y = 2½
20c	Z = 5 also allow z = 0

	ANSWER
21a	9
21b	6