

**MATHEMATICS MAIN PAPER FOR 2021 ENTRY TEST 2 – ANSWERS**

**1 mark for each correct answer. Total 60 marks.**

	ANSWER		ANSWER		ANSWER
1a	<b>2731</b>	3a	<b>5</b>	6a	<b>£10.80</b> accept 10.80 or 10·8
1b	<b>729</b>	3b	<b>7</b>	6b	<b>Apples</b>
1c	<b>46</b>				
2a	<b><math>\frac{1}{2}</math></b> or equivalent fraction or decimal	4a	<b>0·31</b>	6c	<b>3</b>
2b	<b><math>1\frac{1}{4}</math></b> or equivalent fraction or decimal including improper	4b	<b><math>\frac{1}{3}</math></b>		
2c	<b><math>\frac{2}{3}</math></b> or equivalent fraction or decimal	5a	<b>472·1</b>	7a	<b>5</b>
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}  $	5b	<b><math>7\frac{1}{2}</math> cm</b> or 7·5 cm NOT 75mm	7b	<b>30</b>

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

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

ANSWER	
11a	<b>144</b> or <b>144°</b>
11b	<b>126</b> or <b>126°</b>
12a	<b>95</b> .....kg
12b	<b>84</b> .....kg
12c	<b>8</b> .....kg

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

ANSWER	
15a	<b>Always</b> ..... true
15b	<b>Sometimes</b> ..... true
15c	<b>Always</b> ..... true
15d	<b>Sometimes</b> ..... true

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

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

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

ANSWER	
21a	<b>7</b>
21b	<b>-19</b>
21c	y = ..... <b>2</b> .....
21d	x = ..... <b>5</b> .....