

MATHEMATICS FAMILIARISATION PRACTICE PAPER FOR FIRST USE FOR 2015 ENTRY – ANSWERS

1 mark for each correct answer. Total 60 marks.

	ANSWER
1a	2114
1b	25.51
2a	743
2b	1.44
3a	5180
3b	44.22
4a	13
4b	70

	ANSWER
5a	? = 3
5b	? = 8
5c	? = 0
5d	? = 5
5e	? = 3
5f	? = 5

	ANSWER
6a	3
6b	8
6c	49

	ANSWER
7a	2
7b	1
7c	4

	ANSWER
8a	8
8b	4
8c	6
9a	50 sq m
9b	200

	ANSWER
10a	46
10b	<p>Lowest</p> <p>DOG</p> <p>.....</p> <p>BIRD</p> <p>.....</p> <p>FISH</p> <p>.....</p> <p>CATS</p> <p>.....</p> <p>Highest</p>
10c	E

	ANSWER
11a	6
11b	19
11c	5
11d	<p>1 mark</p> <p>8</p> <p>10</p> <p>5</p> <p>7</p> <p>brothers</p> <p>sisters</p> <p>1 mark</p>

	ANSWER								
12	£55								
13a	2500								
13b	292								
14	<table border="1"> <thead> <tr> <th><i>n</i></th> <th>$2(n+1)$</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>12</td> </tr> <tr> <td>19</td> <td>40</td> </tr> <tr> <td>39</td> <td>80</td> </tr> </tbody> </table>	<i>n</i>	$2(n+1)$	5	12	19	40	39	80
<i>n</i>	$2(n+1)$								
5	12								
19	40								
39	80								

	ANSWER
15	0.3
16a	3
16b	-5
16c	50

17a	$\boxed{7} \boxed{4} \boxed{5} - \boxed{9} \boxed{1}$
17b	$\boxed{5} + \boxed{4} \times \boxed{7}$ or $\boxed{5} + \boxed{7} \times \boxed{4}$
	ANSWER
18a	2
18b	2
18c	2, 7, 11

	ANSWER
19a	15
19b	40°
20a	15.5
20b	18

	ANSWER
21a	2375
21b	Lowest DOG CATS BIRD FISH Highest
21c	BEG

ANSWER

22a

Some

22b

No

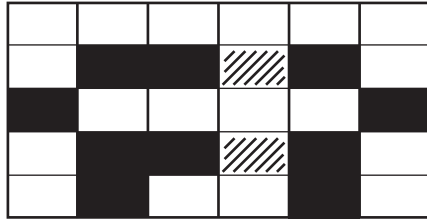
22c

Some

22d

All

23



ANSWER

24

1.25