GCSE Foundation
Mark Scheme 3a

LUCKY MATHS

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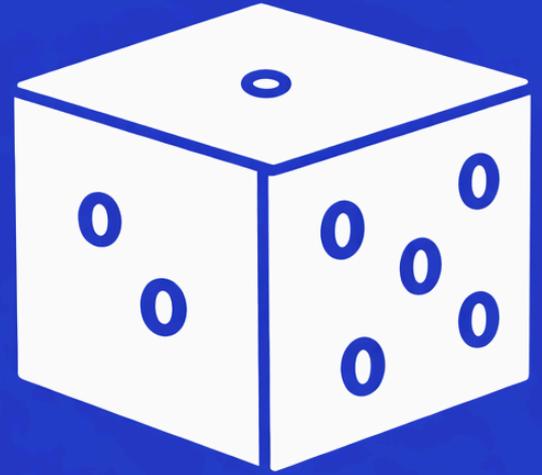
Solutions

Instructions
Use black ink or ball-point pen.
Draw diagrams in pencil.
Write your answers in the spaces provided and show all working.
The total mark for this paper is 80

Materials
Black pen
Pencil
Ruler

Mark scheme – Set 3(a) Non-Calculator
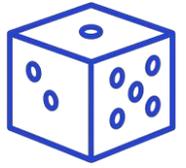
Question	Answer	Marks
1	7	1
2	2,3,5 or 7	1
3	$\dfrac{4}{5}$	1
4	81	1
5	0.22	1
6 (a)	Triangle	1
6 (b)	1	1
7 (a)	69°	1
7 (b)	Co-interior angles sum to 180°	1
8	£96	3
9	n=8.5	2
10 (a)	$\dfrac{5}{12}$	1
10 (b)	$\dfrac{49}{144}$	2
11	21	2
12	$\dfrac{23}{32}$	3

Question	Answer	Marks
13	$\dfrac{19}{36}$	2
14	5x-22	2
15	£179.20	2
16	-1°c	3
17	$\dfrac{7}{10}$	3
18 (a)	0.36	1
18 (b)	72	2
18 (c)	$\dfrac{7}{10}$	1
19	49	1
20	12.5%	3
21	0	2

Mark scheme – Set 3(a)
Non-Calculator

Question	Answer	Marks
22		5

Number	1 s.f.	2 s.f.	3 s.f.
4829	5000	4800	4830
0.07351	0.07	0.074	0.0735
629.408	600	630	629

Question	Answer	Marks
23 (a)	6×10^6	2
23 (b)	6×10^5	2
24	$\dfrac{1}{2}$	1
25 (a)	40 mph	1
25 (b)	97.5	2
26 (a)	18cm	2
26 (b)	8cm	2
27	$252\pi cm^2$	4
28	£555	3
29	$x = 16$	3
30 (a)	17, 27, 37, 47, 57, 67, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 87, 97	2
30 (b)	Yes	2

Question	Answer	Marks
31 (a)	12	1
31 (b)	8	1
31 (c)	12	3