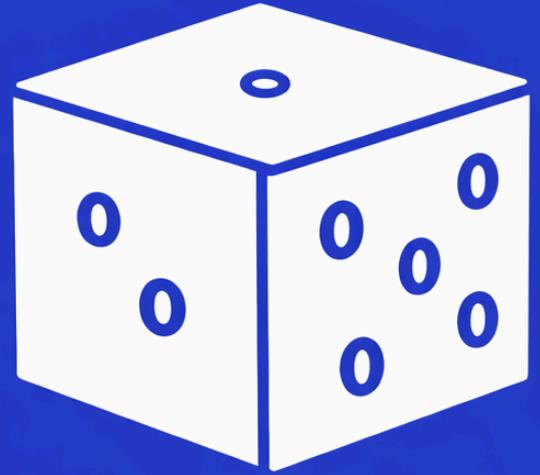


# GCSE Foundation Mark scheme 1c

# LUCKY MATHS



More papers



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 40



## Materials

Black pen

Pencil

Ruler

Scientific Calculator

## Disclaimer:

The practice papers created by Lucky Maths are designed for revision and educational support only.

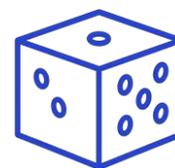
While every effort has been made to ensure accuracy and alignment with typical exam standards, these materials are not official exam papers and are not endorsed by any examination board.

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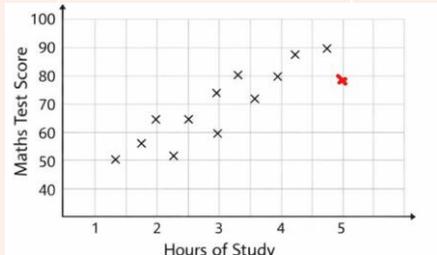
Students and parents should use these papers as supplementary practice alongside official resources.

# Mark scheme – Set 1(c)

## Calculator



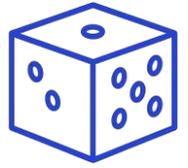
Question	Answer	Marks
1	25 or 36	1
2	$\frac{3}{5}$	1
3	$5x$	1
4	20	1
5	5 metres	1
6	1 hour and 20 minutes	2
7	4.7	1
8	81	2
9	4.7%	1
10	$x = 6$	3
11	$\frac{3}{8}$	3
12	3500m	1
13 (a)	$7^{\circ}\text{C}$	1
13 (b)	$0^{\circ}\text{C}$	2
14		4

Question	Answer	Marks
14 (b)	25%	2
15	$2^3 \times 3^2 \times 5$	3
16 (a)	18 km/h	2
16 (b)	90 minutes	3
17 (a)	$4.82 \times 10^{-4}$	1
17 (b)	360,000	1
17 (c)	$4 \times 10^{-2}$	2
18	24	2
19	L – 8.35 U – 8.45	2
20 (a)		1
20 (b)	Positive Correlation	1
20 (c)	Range of 75-80	2

	Algebra	Number	Geometry	Total
Brad	12	12	6	30
Albert	12	6	8	26
Total	24	18	14	56

# Mark scheme – Set 1(c)

## Calculator



Question	Answer	Marks																
21		4																
<table border="1"> <thead> <tr> <th>3D Shape</th> <th>Faces</th> <th>Edges</th> <th>Vertices</th> </tr> </thead> <tbody> <tr> <td>Cube</td> <td>6</td> <td>12</td> <td>8</td> </tr> <tr> <td>Triangular prism</td> <td>5</td> <td>9</td> <td>6</td> </tr> <tr> <td>Square-based pyramid</td> <td>5</td> <td>8</td> <td>5</td> </tr> </tbody> </table>			3D Shape	Faces	Edges	Vertices	Cube	6	12	8	Triangular prism	5	9	6	Square-based pyramid	5	8	5
3D Shape	Faces	Edges	Vertices															
Cube	6	12	8															
Triangular prism	5	9	6															
Square-based pyramid	5	8	5															
22 (a)	$3^6$	2																
22 (b)	$5^4$	2																
23 (a)	0.425	2																
23 (b)	29	3																
24 (a)	2	1																
24 (b)	17,23,31	2																
25	$534.1\text{cm}^2$	4																
26	RB, RG, BR, BG, GR, GB	3																
27 (a)	$x^2+10x+24$	2																
27 (b)	$(x + 5)(x + 2)$	3																
28 (a)	12	3																
28 (b)	4 Sweets 3 Stickers 5 Balloons	2																