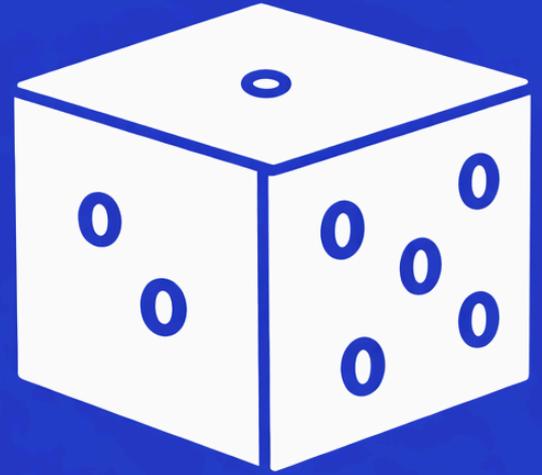


# GCSE Foundation Mark Scheme 3a

# 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 80



## Materials

Black pen

Pencil

Ruler

## Disclaimer:

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

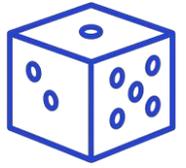
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Students and parents should use these papers as supplementary practice alongside official resources.

# Mark scheme – Set 3(a)

## Non-Calculator



| Question | Answer                                | Marks |
|----------|---------------------------------------|-------|
| 1        | 7                                     | 1     |
| 2        | 2,3,5 or 7                            | 1     |
| 3        | $\frac{4}{5}$                         | 1     |
| 4        | 81                                    | 1     |
| 5        | 0.22                                  | 1     |
| 6 (a)    | Triangle                              | 1     |
| 6 (b)    | 1                                     | 1     |
| 7 (a)    | $69^\circ$                            | 1     |
| 7 (b)    | Co-interior angles sum to $180^\circ$ | 1     |
| 8        | £96                                   | 3     |
| 9        | $n=8.5$                               | 2     |
| 10 (a)   | $\frac{5}{12}$                        | 1     |
| 10 (b)   | $\frac{49}{144}$                      | 2     |
| 11       | 21                                    | 2     |
| 12       | $\frac{23}{32}$                       | 3     |

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

# Mark scheme – Set 3(a)

## Non-Calculator



| Question      | Answer        | Marks         |               |
|---------------|---------------|---------------|---------------|
| 22            |               | 5             |               |
| <b>Number</b> | <b>1 s.f.</b> | <b>2 s.f.</b> | <b>3 s.f.</b> |
| 4829          | 5000          | 4800          | 4830          |
| 0.07351       | 0.07          | 0.074         | 0.0735        |
| 629.408       | 600           | 630           | 629           |

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

|        |  |   |
|--------|--|---|
| 23 (a) | $6 \times 10^6$  | 2 |
| 23 (b) | $6 \times 10^5$  | 2 |
| 24     | $\frac{1}{2}$  | 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,<br>37, 47,<br>57, 67,<br>70, 71,<br>72, 73,<br>74, 75,<br>76, 77,<br>78, 79,<br>87, 97 | 2 |
| 30 (b) | Yes  | 2 |