

## Mark Scheme

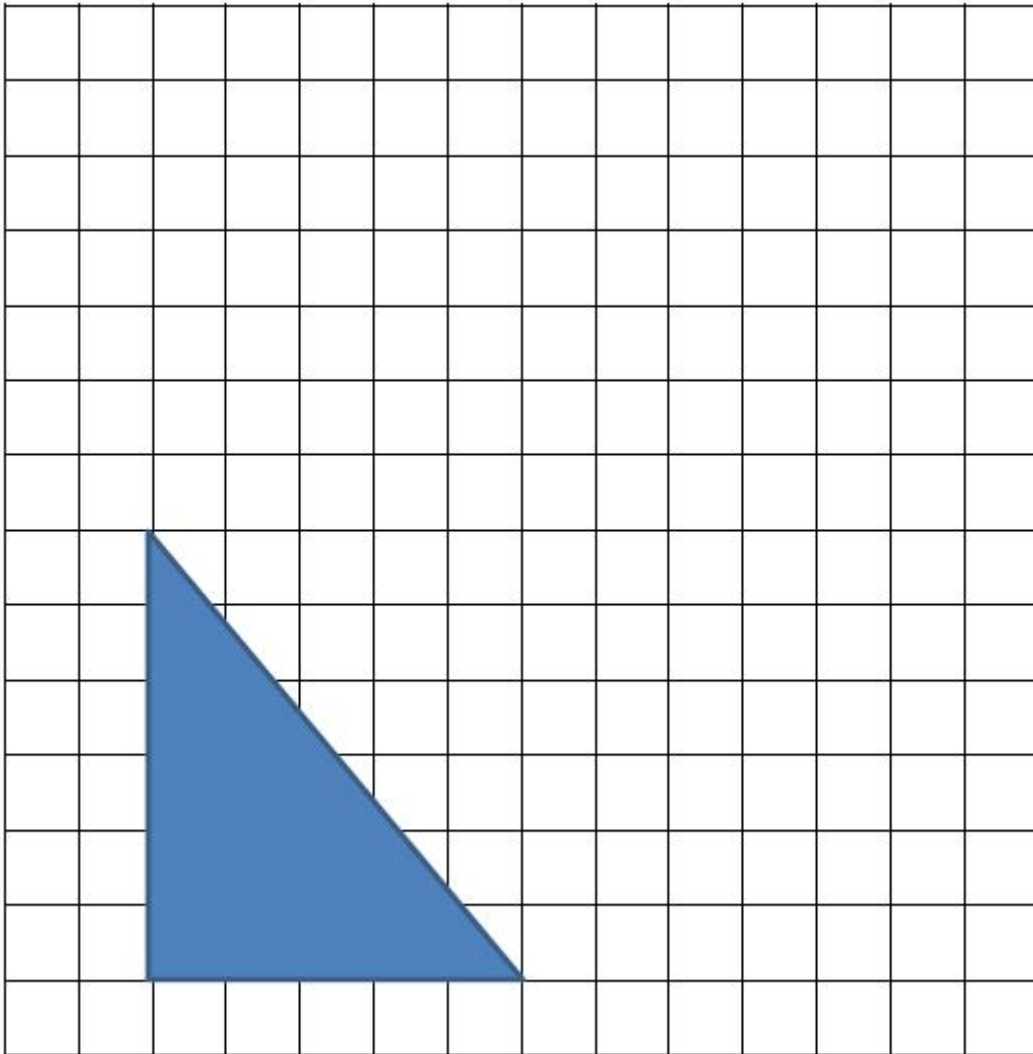
Q1.

| Question     | Process                                | Mark     | Mark Grid | Evidence   |
|--------------|--|----------|-----------|--|
| (a)          | Begins to match shape with correct net | 1 or     | A         | One correct and no more than 1 incorrectly matched |
|              | Fully correct solution                 | 2        | A<br>B    | Three correctly matched                            |
| (b)          | Correct answer                         | 1        | C         | Select circle                                      |
| <b>Total</b> |  | <b>3</b> |           |  |

Q2.

| Question                        | Process                                  | Mark     | Mark Grid | Evidence   |
|---------------------------------|--|----------|-----------|--|
| (a)                             | Complete diagram                         | 1        | A         | Draws the parallelogram  |
| (b)                             | Draws lines of symmetry                  | 1        | B         | Draws all 5 lines of symmetry and no extras  |
| (c)                             | Correct answer                           | 1        | C         | Selects obtuse angle   |
| (d)                             | Begins to work with scale or right angle | 1 or     | D         | Draws a triangle with one of:<br>right angle<br>one side 5 sq<br>one side 6 sq                     |
|                                 | Improves solution                        | 2 or     | DE        | Draws a triangle with two of:<br>right angle<br>one side 5 sq<br>one side 6 sq                     |
|                                 | Accurate drawing                         | 3        | DEF       | Draws a triangle with all of:<br>one side 5 sq<br>one side 6 sq<br>right angle between these sides |
| <b>Total marks for question</b> |  | <b>6</b> |           |  |

Example of a solution for part (d)



**Q3.**

| Question                        | Process                | Mark     | Mark Grid | Evidence                         |
|---------------------------------|------------------------|----------|-----------|----------------------------------|
| (a)                             | Correct solution       | 1        | A         | Select shape 1                   |
| (b)                             | correct solution       | 1        | B         | Select shape 4                   |
| (c)                             | Fully correct solution | 1        | C         | 4 (faces) 6 (edges) 4 (vertices) |
| <b>Total marks for question</b> |                        | <b>3</b> |           |                                  |

**Q4.**

| Question                        | Process                                     | Mark     | Mark Grid | Evidence  |
|---------------------------------|---|----------|-----------|---|
|                                 | Begins to work with constraints             | 1 or     | A         | Draws a trapezium <b>OR</b> draws a line of 6cm <b>OR</b> a closed shape with one line of symmetry                      |
|                                 | Draws a trapezium with one other constraint | 2 or     | AB        | Draws a trapezium using a side of 6cm <b>OR</b> draws a trapezium with only one line of symmetry                        |
|                                 | Fully correct diagram                       | 3        | ABC       | Draws a trapezium <b>and</b> base of 6cm <b>and</b> only one line of symmetry<br>NB Trapezium may be in any orientation |
| <b>Total marks for question</b> |   | <b>3</b> |           |   |

**Q5.**

| Question                        | Process                                       | Mark     | Mark Grid | Evidence   |
|---------------------------------|---|----------|-----------|--|
|                                 | Begin to work with scale                      | 1 or     | A         | Rectangle with side length 6 squares or 3 squares <b>OR</b><br>Rectangle with one of:<br>at least 4 squares away from the house<br>at least 1 square away from the fence, shed and flowerbed |
|                                 | Develops solution                             | 2 or     | AB        | Rectangle with side length 6 squares <b>and</b> 3 squares <b>and</b> one of:<br>at least 4 squares away from the house<br>at least 1 square away from the fence, shed and flowerbed          |
|                                 | Fully correct rectangle drawn with restraints | 3        | ABC       | Rectangle with side length 6 squares <b>and</b> 3 squares <b>and</b> all of:<br>at least 4 squares away from the house<br>at least 1 square away from the fence, shed and flowerbed          |
| <b>Total marks for question</b> |   | <b>3</b> |           |  |

**Q6.**

| Question                        | Process              | Mark     | Mark Grid | Evidence  |
|---------------------------------|----------------------|----------|-----------|---|
|                                 | Begins to draw a net |          |           | 1 square face drawn of correct size (3cm by 3cm)<br>NB ignore all other faces   |
|                                 | Develops solution    | 2 or     | AB        | 6 faces of correct size drawn that don't fold into a correct net <b>OR</b><br>5 faces of correct size that form an open cube <b>OR</b><br>Fully correct net of a cube of side length $x$ where $x \neq 3$ |
|                                 | Correct net drawn    | 3        | ABC       | Fully correct net<br><br>Do not accept any 3D representations   |
| <b>Total marks for question</b> |                      | <b>3</b> |           |   |

