5.2 – Line and rotational symmetry

Student name: _____ Answers _____ Score: _____

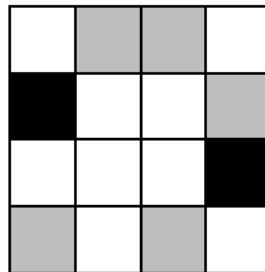**1.**

Complete this statement for the parallelogram shown.
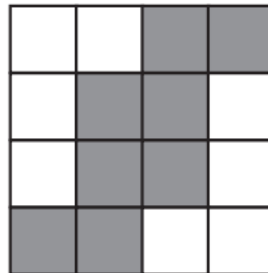
This shape has ....0........ lines of symmetry and rotational symmetry of order ....2........ .   [2]

2. Shade **two** small squares so that the shape has exactly one line of symmetry.
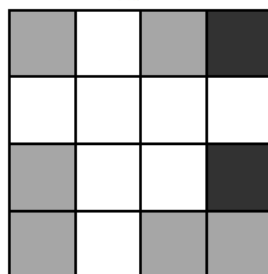
[1]

3.

For the diagram, write down
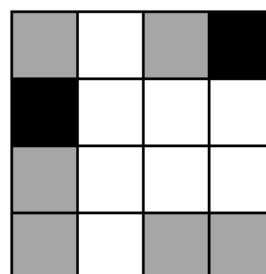
(a) the number of lines of symmetry,

........................0........................ [1]

(b) the order of rotational symmetry.

........................2........................ [1]

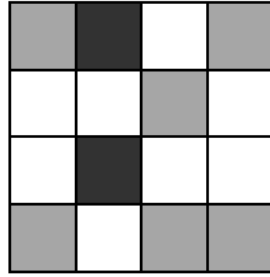**4. (a)** Shade **two** squares so that this shape has exactly one line of symmetry.
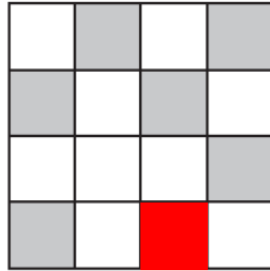
or   [1]

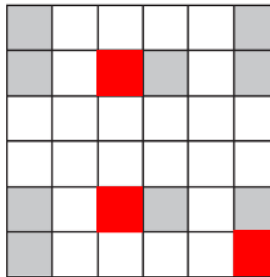**(b)** Shade **two** squares so that this shape has rotational symmetry of order 2.

[1]

5. (a) Shade one small square so that this shape has exactly 1 line of symmetry.
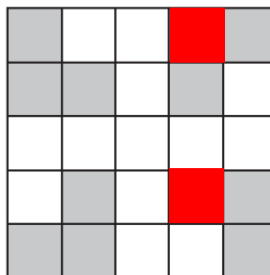
[1]

(b) Shade three small squares so that this shape has exactly 2 lines of symmetry.
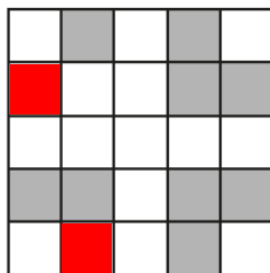
[2]

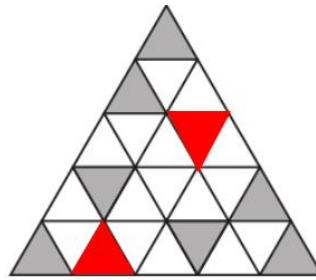**(c)** Shade two small squares so that this shape has rotational symmetry of order 4.

[2]

6. (a) Shade two more squares so that this shape has exactly one line of symmetry.

[1]

(b) Shade two more triangles so that this shape has rotational symmetry of order 3.
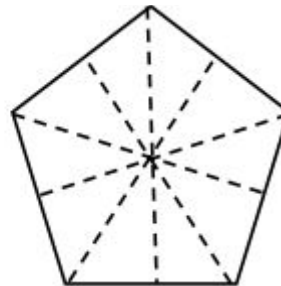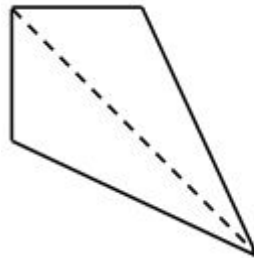

[1]

7. A quadrilateral has rotational symmetry of order two, two lines of symmetry and its angles are **not** right angles.

What is the special name of this quadrilateral?

Rhombus [1]

8. Draw **all** the lines of symmetry on each of these shapes.

[2]

9. Complete the statement.

A parallelogram has rotational symmetry of order ....2...........

and ....0......... lines of symmetry. [2]