Q1. (June 2018 v1)

**20** **(a)** Here is a description of a quadrilateral.

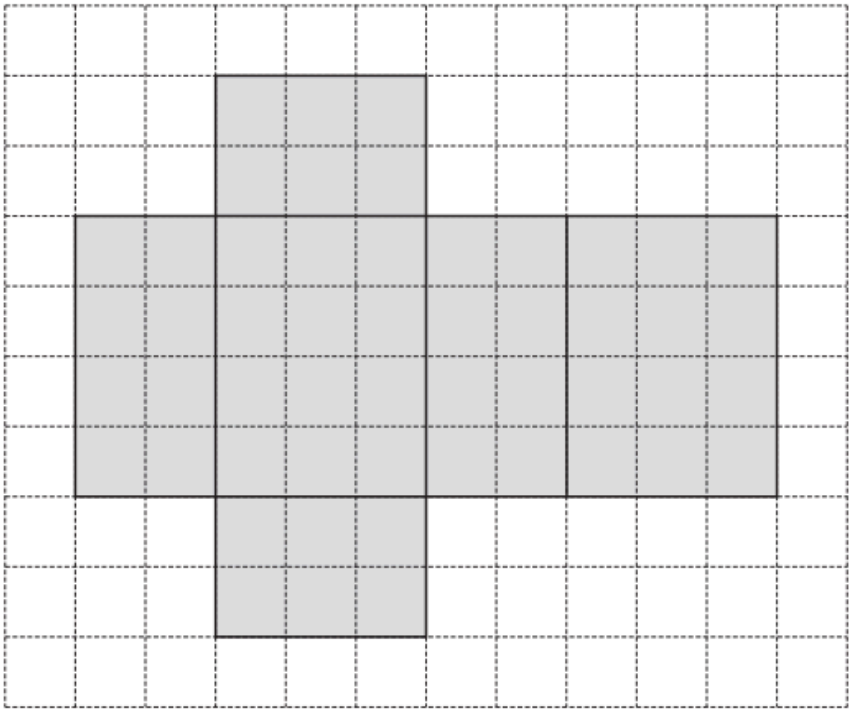
It has 4 right angles.
It has 2 lines of symmetry.
It has rotational symmetry of order 2.

Write down the mathematical name of this quadrilateral.

..... [1]

Q2. (June 2018 v1)

**21** The net of a solid is drawn on a 1 $cm^2$ grid.

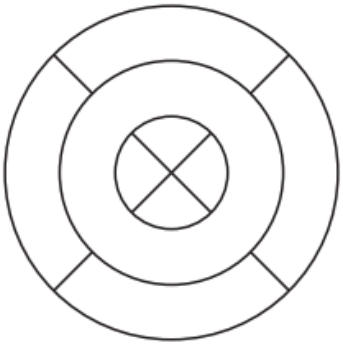


**(a)** Write down the name of the solid made from this net.

..... [1]

Q3. (June 2018 v2)

**8**



For this diagram, write down

**(a)** the number of lines of symmetry,

..... [1]

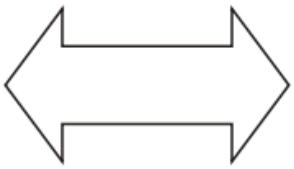
**(b)** the order of rotational symmetry.

..... [1]

Q4. (June 2019 v1)

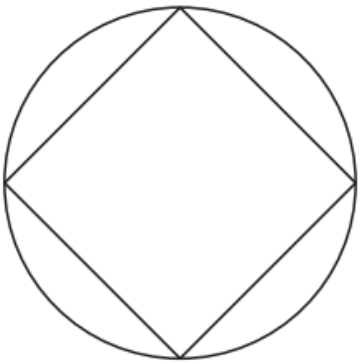
**19** **(a)** On each shape, draw all the lines of symmetry.

**(i)**



[1]

**(ii)**



[2]

**(b)** Write down the name of a quadrilateral that has

- rotational symmetry of order 2

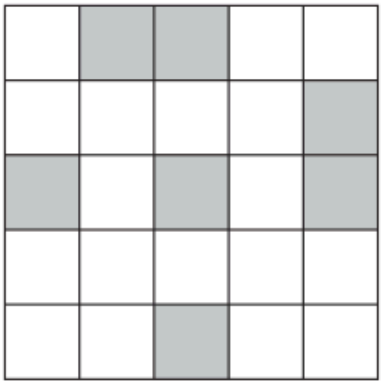
and

- exactly two lines of symmetry.

..... [1]

Q5. (June 2019 v2)

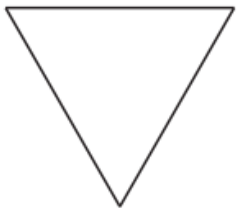
**(b)** Shade two more squares so that this grid has rotational symmetry of order 4.

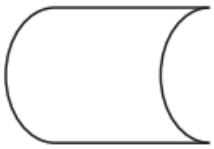


[1]

Q6. (June 2020 v1)

**4 (a)**





On each shape draw all the lines of symmetry. [3]

**(b)**

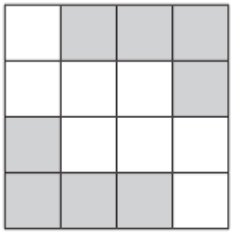


Write down the order of rotational symmetry of this shape.

..... [1]

Q7. (June 2020 v2)

**9**



Write down the order of rotational symmetry of the diagram.

..... [1]

Q8. (June 2020 v3)

**7** **(a)** Write down the mathematical name of a quadrilateral that has

- rotational symmetry of order 1

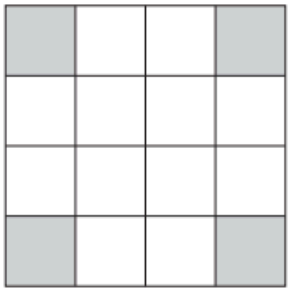
and

- only one line of symmetry.

..... [1]

Q9. (June 2021 v1)

**3**



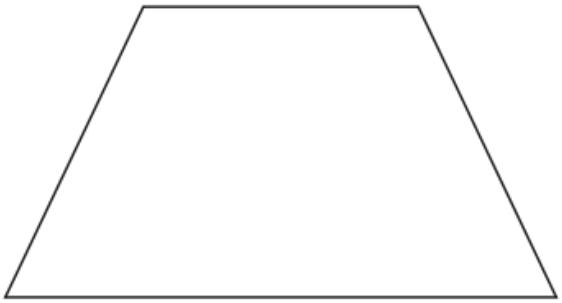
**(a)** Write down the order of rotational symmetry of this diagram.

..... [1]

**(b)** On the diagram, draw all the lines of symmetry. [2]

Q10. (June 2021 v2)

**1**



Draw the line of symmetry on this shape. [1]

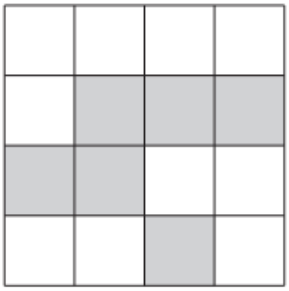
Q11. (June 2023 v1)

**4** Write down the mathematical name of a 4-sided shape that has rotational symmetry of order 2 and no lines of symmetry.

..... [1]

Q12. (June 2023 v2)

**3**



Shade two squares so that the diagram has rotational symmetry of order 4. [2]

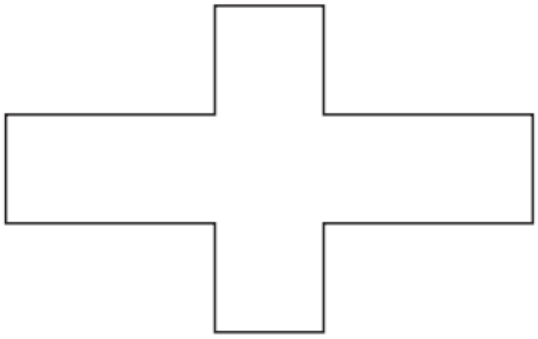
Q13. (June 2024 v1)

**4** Write down the order of rotational symmetry of a rhombus.

..... [1]

Q14. (June 2024 v1)

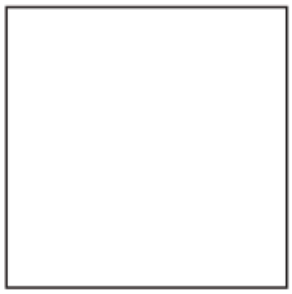
**8**



Draw all the lines of symmetry on this shape. [2]

Q15. (June 2024 v2)

**5 (a)**



Draw all the lines of symmetry on this quadrilateral. [2]

**(b)** Write down the mathematical name of a quadrilateral that has rotational symmetry of order 2.

..... [1]

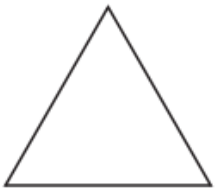
Q16. (June 2024 v3)

**5 (a)**



On the diagram, draw any lines of symmetry. [1]

**(b)**



Write down the order of rotational symmetry of this shape.

..... [1]

Q17. (June 2025 v2)

**13** **(a)** A quadrilateral has the geometrical properties

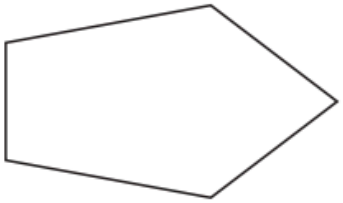
- 4 equal length sides
- 2 lines of symmetry
- rotational symmetry of order 2.

Write down the mathematical name of this quadrilateral.

..... [1]

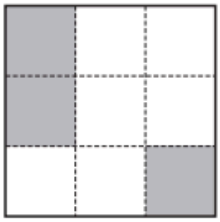
Q18. (Nov 2018 v1)

**7** **(a)** Draw the line of symmetry on the shape below.



[1]

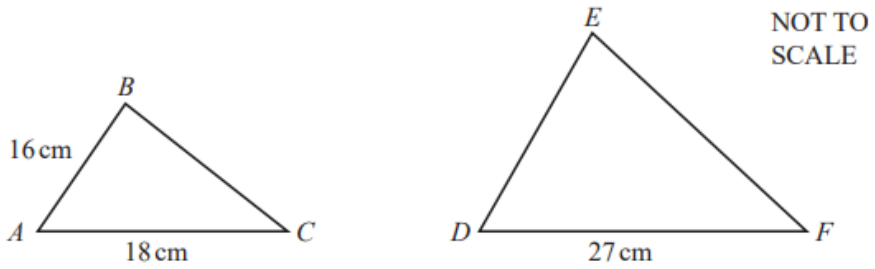
**(b)** Shade **one** more square so that this pattern has rotational symmetry of order 2.



[1]

Q19. (Nov 2018 v2)

**6** Triangle $ABC$ and triangle $DEF$ are similar.

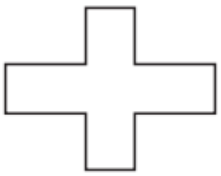



Find $DE$.

$DE =$ ..... cm [2]

Q20. (Nov 2018 v3)

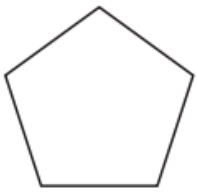
**7**



On the shape, draw all the lines of symmetry. [2]

Q21. (Nov 2019 v1)

**2**

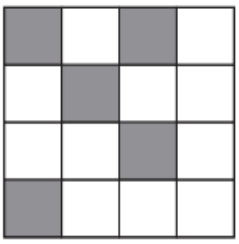


Write down the order of rotational symmetry of this regular pentagon.

..... [1]

Q22. (Nov 2019 v2)

**14 (a)**



Shade two more small squares to give a pattern with exactly one line of symmetry. [1]

**(b)**



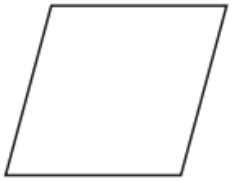
Complete the description of this pattern.

The pattern has ..... lines of symmetry

and order of rotational symmetry ..... [2]

Q23. (Nov 2020 v1)

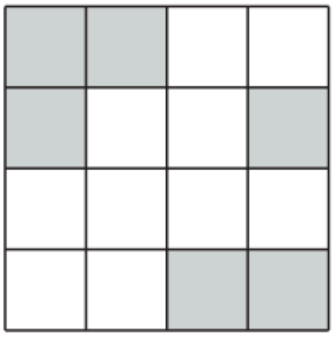
**5** **(a)**



The diagram shows a rhombus.

On the diagram, draw all the lines of symmetry. [2]

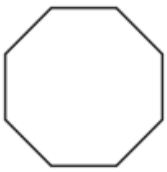
**(b)**



Shade two squares so that the diagram has rotational symmetry of order 2. [1]

Q24. (Nov 2020 v2)

**3**

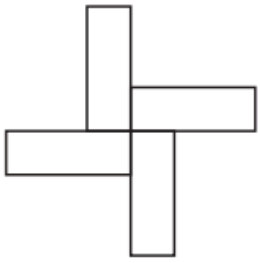


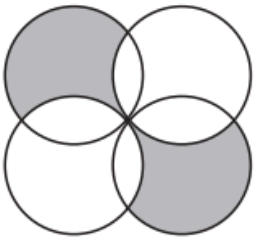
Write down the order of rotational symmetry of this regular octagon.

..... [1]

Q25. (Nov 2020 v3)

**4** Write down the order of rotational symmetry of each shape.



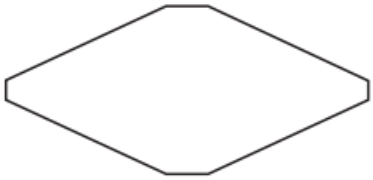


..... .....

[2]

Q26. (Nov 2021 v1)

**3**



Write down the order of rotational symmetry of this shape.

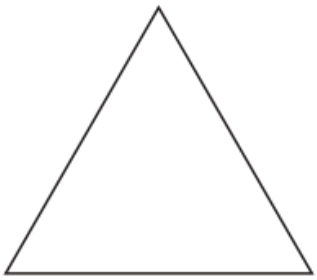
..... [1]

Q27. (Nov 2021 v2)

**6** **(a)** Write down the order of rotational symmetry of a rectangle.

..... [1]

**(b)**



Draw all the lines of symmetry on this equilateral triangle. [2]

Q28. (Nov 2022 v2)

**5**



Draw all the lines of symmetry on this shape. [2]

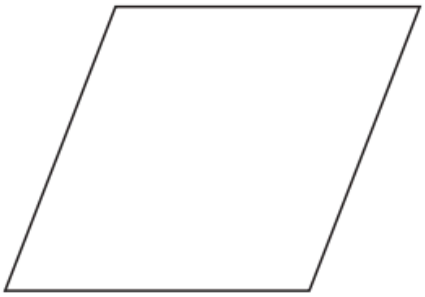
Q29. (Nov 2022 v3)

**(b)** Write down the order of rotational symmetry of this shape.

..... [1]

Q30. (Nov 2023 v3)

**3**

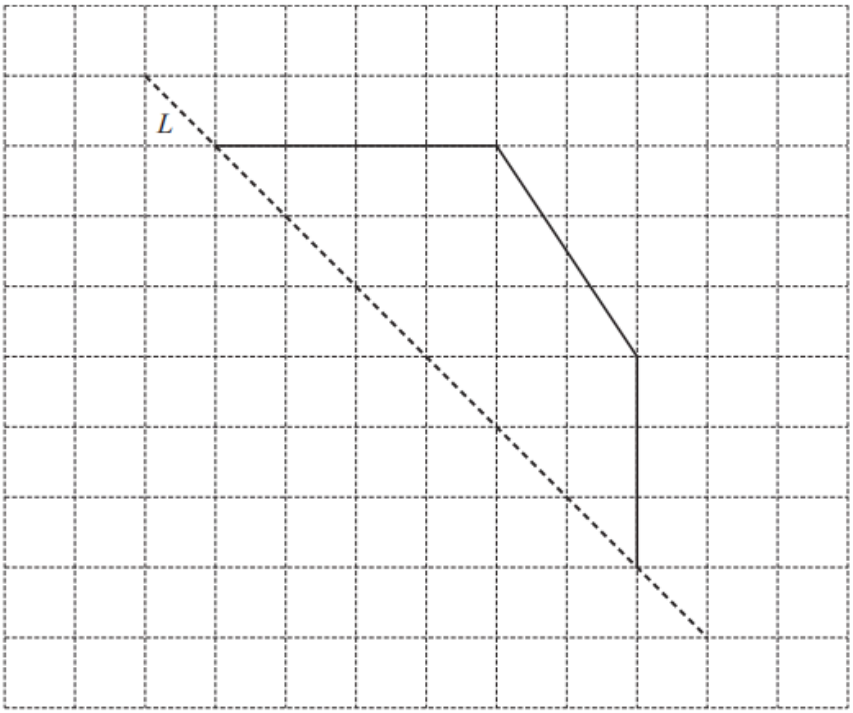


Draw the lines of symmetry on this rhombus. [2]

Q31. (Nov 2024 v1)

**12** The grid shows half of a shape which has a line of symmetry, $L$.

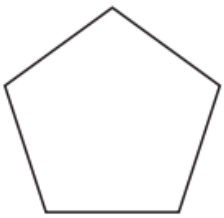
Complete the shape.




[2]

Q32. (Nov 2024 v2)

**4** The diagram shows a regular polygon.



**(a)** Write down the mathematical name for this polygon.

..... [1]

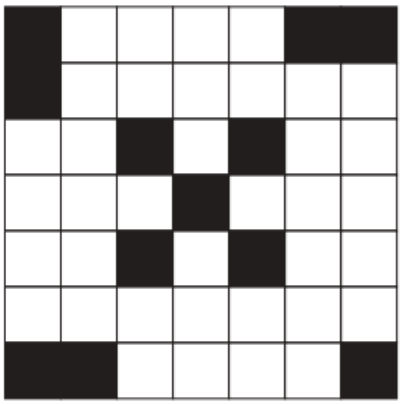
**(b)** On the diagram, draw all the lines of symmetry. [2]

**(c)** Write down the order of rotational symmetry.

..... [1]

Q33. (Nov 2025 v1)

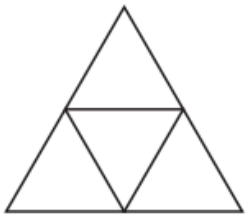
**6** Shade **one** square so that the diagram has rotational symmetry of order 4.



[1]

Q34. (Nov 2025 v2)

**5** The diagram is made from equilateral triangles.



**(a)** On the diagram, draw all the lines of symmetry. [2]

**(b)** Write down the order of rotational symmetry.

..... [1]