

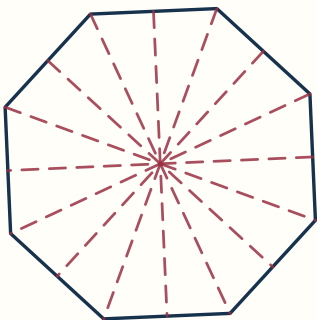
Lines of symmetry — Every shape

Name: _____

Date: _____

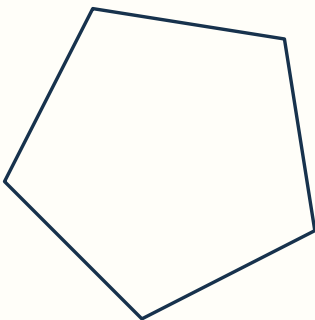
Write how many lines of symmetry each shape has.

1



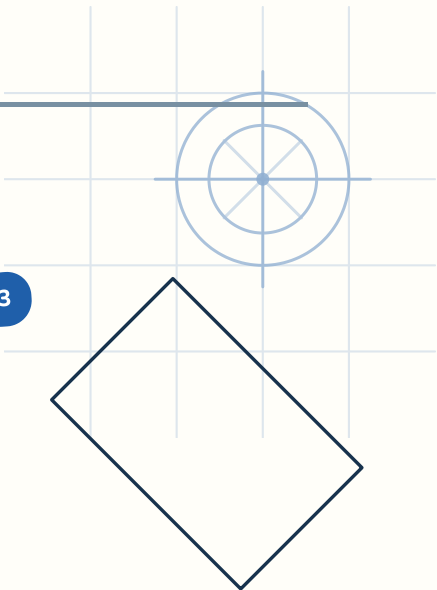
8 lines

2



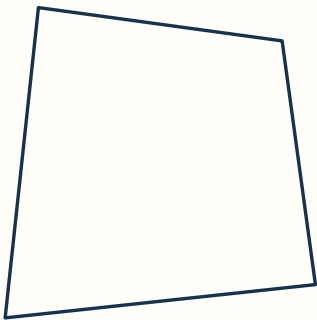
_____ lines

3



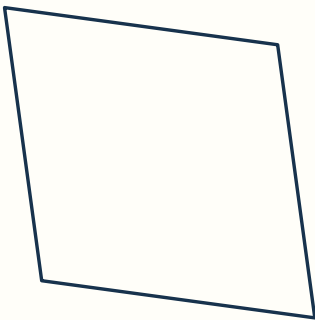
_____ lines

4



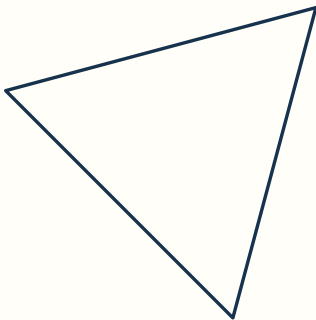
_____ lines

5



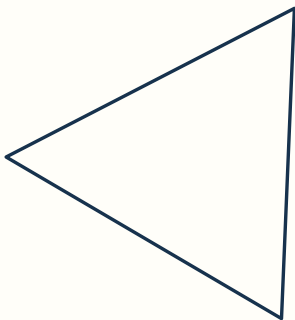
_____ lines

6



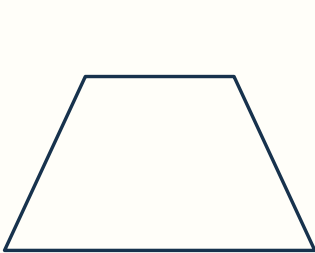
_____ lines

7



_____ lines

8



_____ lines



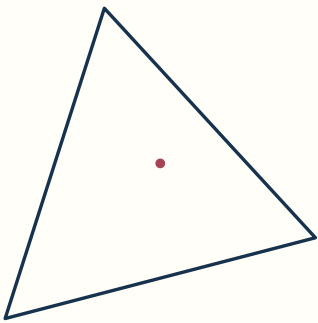
Rotational symmetry — The order of rotational symmetry

Name: _____

Date: _____

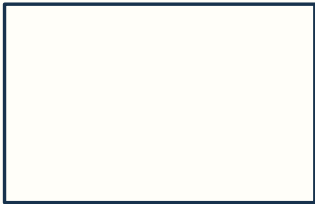
Write how many times each shape lands on itself in one full turn.

1



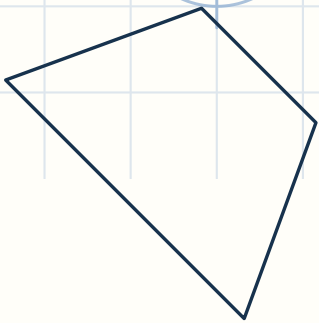
1

2



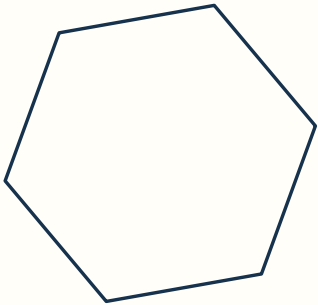
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3



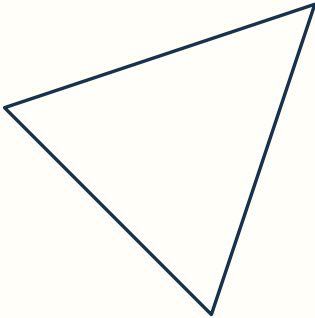
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4



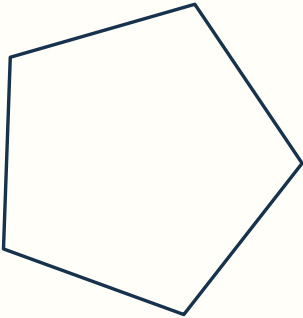
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5



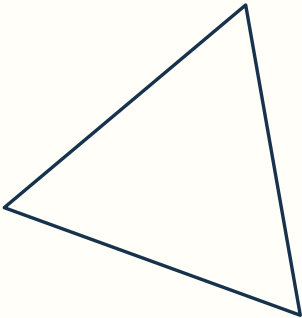
—

6



—

7



—

8



—

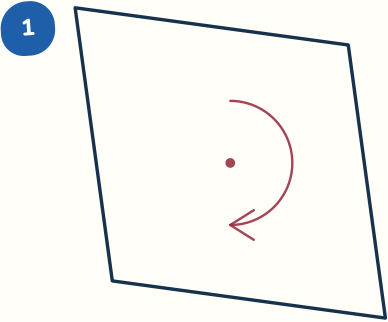


Rotational symmetry — The smallest turn in degrees

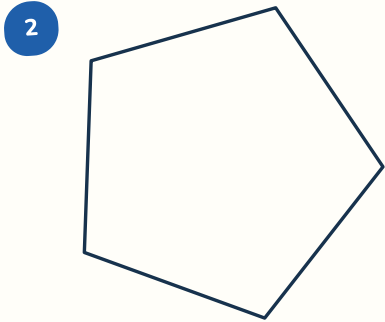
Name: _____

Date: _____

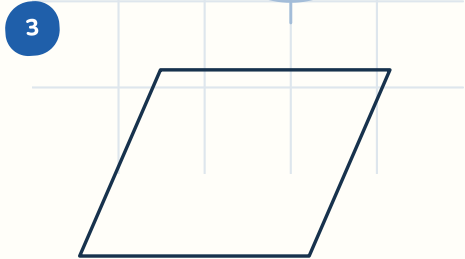
Write the smallest turn, in degrees, that carries each shape onto itself.



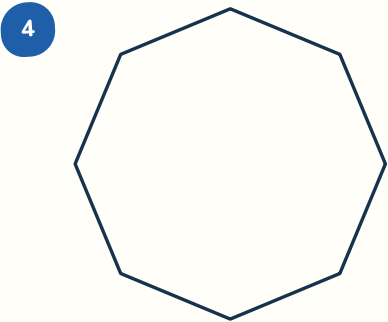
180 degrees



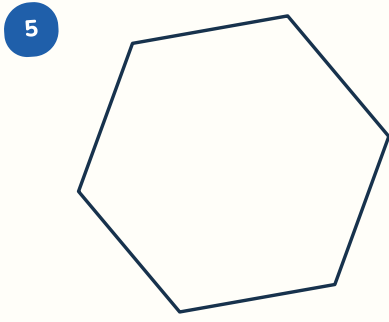
_____ degrees



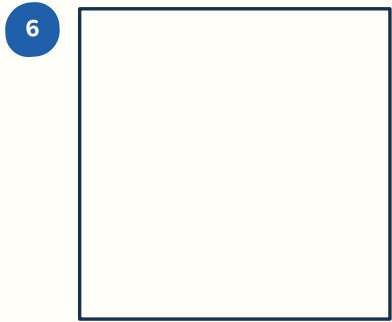
_____ degrees



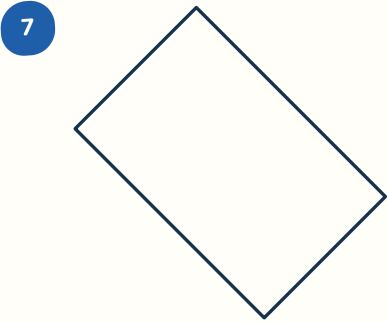
_____ degrees



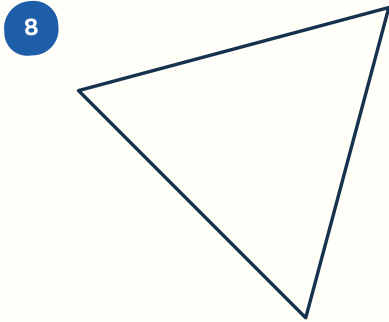
_____ degrees



_____ degrees



_____ degrees



_____ degrees



Power Pack · Symmetry — Answer key

Lines of symmetry

- | | | | |
|----------------------------------|---------------------------------------|-----------------------------------|---------------------------|
| 1. regular octagon turned 20°: 8 | 2. regular pentagon turned 45°: 5 | 3. rectangle turned 45°: 2 | 4. kite turned 45°: 1 |
| 5. rhombus turned 45°: 2 | 6. equilateral triangle turned 45°: 3 | 7. scalene triangle turned 45°: 0 | 8. isosceles trapezoid: 1 |



The order of symmetry

- | | | | |
|---|---|---|--|
| 1. scalene triangle: order 1 | 2. rectangle: order 2 | 3. isosceles trapezoid turned 45°: order 1 | 4. regular hexagon turned 20°: order 6 |
| 5. isosceles triangle turned 45°: order 1 | 6. regular pentagon turned 20°: order 5 | 7. equilateral triangle turned 20°: order 3 | 8. parallelogram: order 2 |

The smallest turn

- | | | | |
|------------------------------------|-------------------------------------|-------------------------------|--|
| 1. rhombus turned 45°: 180° | 2. regular pentagon turned 20°: 72° | 3. parallelogram: 180° | 4. regular octagon turned 45°: 45° |
| 5. regular hexagon turned 20°: 60° | 6. square: 90° | 7. rectangle turned 45°: 180° | 8. equilateral triangle turned 45°: 120° |