

Line and Rotational Symmetry

Name:	Class:	Date:
Mark		17 %

1) Complete the table to show the line and rotational symmetry of triangles.

Type of Triangle	Number of Lines of Symmetry	Order of Rotational Symmetry
Scalene		
Isosceles		
Equilateral		

[1]

2) Complete the table to show the line and rotational symmetry of regular polygons.

Regular Polygons	Number of Lines of Symmetry	Order of Rotational Symmetry
Hexagon		
Square		
Octagon		
Nonagon		
Triangle		
Heptagon		
Decagon		
Pentagon		

[1]

3) Complete the table to show the line and rotational symmetry of quadrilaterals.

Quadrilaterals	Number of Lines of Symmetry	Order of Rotational Symmetry
Square		
Rectangle		
Parallelogram		
Rhombus		
Kite		

[1]

4) Give the number of lines of symmetry and the order of rotational symmetry of the following letter.



[1]

5) Give the number of lines of symmetry and the order of rotational symmetry of the flag below.

[1]



6) Give the number of lines of symmetry and the order of rotational symmetry of the following letter.

S

7) Give the number of lines of symmetry and the order of rotational symmetry of the flag below.

[1]

[1]



Solutions for the assessment Line and Rotational Symmetry

1)

Scalene Triangle: none, none

Isosceles Triangle: 1, none

Equilateral Triangle: 3, 3

2)

Hexagon: 6,6

Square: 4,4

Octagon: 8,8

Nonagon: 9,9

Triangle: 3,3

Heptagon: 7,7

Decagon: 10,10

Pentagon: 5,5

3)

Square: 4, 4

Rectangle: 2, 2

Parallelogram: none, 2

Rhombus: 2, 2

Kite: 1, none

4)

Number of lines of symmetry = 2

Order of rotational symmetry = 2

5)

No lines of symmetry

No rotational symmetry

6)

No lines of symmetry

Order of rotational symmetry = 2

7)

Number of lines of symmetry = 1

No rotational symmetry