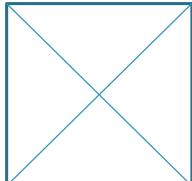
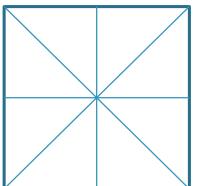




Figure (a)	Figure (b)	Figure (c)
A Square is a figure bounded by 4 sides.	A Square has 4 lines of symmetry.	Side of the square: s
All 4 sides are equal to each other.	Order of rotational symmetry is 4.	Perimeter: 4s
Both the diagonals are equal in length.		Area: s×s
All corner(vertex) angles are 90°.		

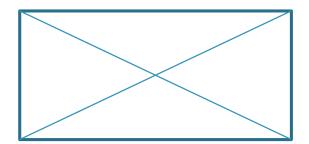


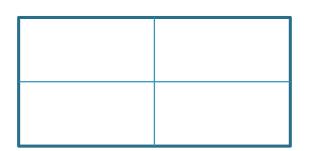




RECTANGLE

Figure (a)	Figure (b)	Figure (c)
A Rectangle is a figure bounded by 4 sides.	A Rectangle has 2 lines of symmetry.	Length of the Rectangle: l
Opposite sides are equal to each other.	Order of rotational symmetry is 2	Width/Breadth: b
Both the diagonals are equal in length.		Perimeter: 2l + 2b
All corner(vertex) angles are 90°.		Area: l×b

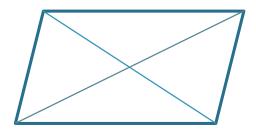






PARALLELOGRAM

Figure (a)	Figure (b)	Figure (c)
A Parallelogram is a figure bounded by 4 sides.	A Parallelogram has no lines of	Length of the Parallelogram l
Opposite sides are equal to each other.	symmetry.	Base of the Parallelogram b
The diagonals are unequal in length.	Order of rotational symmetry is 2	Height of the Parallelogram h
Corner(vertex) angles are not 90°.		Perimeter: 2l +2b
Opposite pairs of internal angles are equal.		Area: b × h

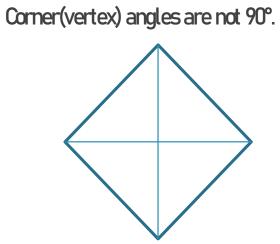


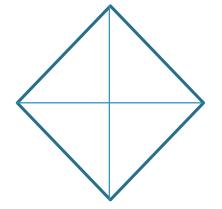


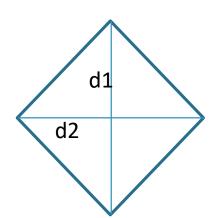


RHOMBLS

Figure (a)	Figure (b)	Figure (c)
A Rhombus is a figure bounded by 4 sides.	A Rhombus has 2 lines of symmetry.	Side of the Rhombus: s
All 4 sides are equal to each other.	Order of rotational symmetry is 2.	Diagonals: d1, d2
The two diagonals (d1 and d2) are unequal in		Perimeter: 4s
length.		Area: ½ (d1) (d2)
Diagonals bisect each other at right angles.		







TRAPEZIUM

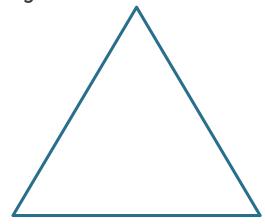
Figure (a)	Figure (b)	Figure (c)
ATrapezium is a figure bounded by 4 sides.	An Isosceles Trapezium has 1 line of	Sides of the Trapezium a,b,c,d
All 4 sides can be unequal.	symmetry.	Height: h
1 pair of sides are parallel (AB//DC).	Order of rotational symmetry is 2.	Perimeter: sum of all 4 sides
In an isosceles trapezium, the non-parallel sides are equal (AD=BC) and the diagonals are also equal.		Area: ½(sum of parallel sides)(height) ½(AB+DC)(h)
A B		h

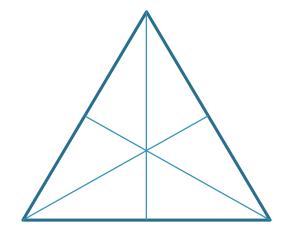
EGULATERALTRIANGLE

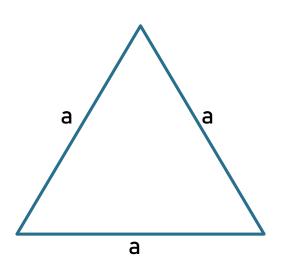
Figure (a)	Figure (b)	Figure (c)
ATriangle is a closed figure bounded by 3	An Equilateral Triangle has 3 lines of	Side of the Triangle: a
sides.	symmetry.	Perimeter: 3a
In an Equilateral Triangle, all 3 sides are equal.	Order of rotational symmetry is 3.	Area: $\frac{\sqrt{3}}{4}$ a^2
The medians are the same as the angular		4

All angles are 60°.

bisectors and altitudes.

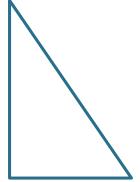


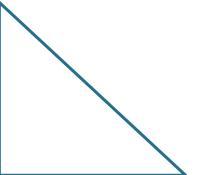


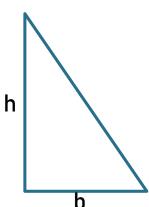


RGTAGEDTRAGE

Figure (a)	Figure (b)	Figure (c)
ATriangle is a closed figure bounded by 3	An isosceles right angled triangle has	Sides of the Triangle: a, b, c
sides.	angles with measures 90° – 45° – 45°.	Perimeter: a + b + c
In a Right angled Triangle, one angle equals 90°. The side opposite the right angle is the		Area: ½ (base)(height)
Hypotenuse.		=½ b h
It can be isosceles if the 2 arms (not the hypotenuse) are equal.		
N .	lacksquare	

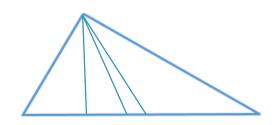






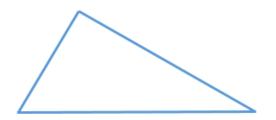
SCALE/ETRANGLE

Figure (a)	Figure (b)	Figure (c)
ATriangle is a figure bounded by 3 sides.	A Scalene Triangle has no lines of	Sides of the Triangle: a, b, c
	symmetry.	Perimeter: a + b + c
In a ScaleneTriangle, all 3 sides are unequal.	Order of rotational symmetry is 2.	Area: Heron's Formula
The medians, angular bisectors and altitudes		$\sqrt{s(s-a)(s-b)(s-c)},$
are 3 different lines from each vertex.		Where s, semiperimeter is $\frac{a+b+c}{2}$



All angles are unequal.





CROLE

Figure (a)	Figure (b)	Figure (c)
A circle is a closed figure with no straight	A circle has infinite lines of symmetry.	Radius of the circle: r
sides.	Order of rotational symmetry is	Diameter of the circle: d
It is the locus of all points at a given distance	infinity.	Perimeter: $2\pi r$ OR π d
from a specified point.		Area: πr^2
It is characterised by a diameter.		
Diameter is twice the radius.		

SEM-CIRCLE

Figure (a)	Figure (b)	Figure (c)
A semicircle has a straignt line and a curved	Asemi-circle has 1 line of symmetry.	Radius r
part.	Order of rotational symmetry is 1.	Perimeter: $2r + \pi r$
It is half a circle.		Area: $1/2\pi r^2$

It is characterised by a radius.

