

Size

It is a quality of an object that can be measured

Lenght

It is the distance from to point to another.

Area

It is the size of a surface (of a polygon)

Volume

It is the space a solid figure occupies.

Point

**It has no dimensions only position.
It is indicated by a capital letter, like A, B, C...**

Line

**It is an infinite set of points and has only one dimension.
It is indicated by a small case letter, like r, s, t...**

| | |
|------------------------|---|
| Plane | It is an infinite set of lines and points and it has only two dimensions. It is indicated by α, β, γ. |
| Complanar lines | Two lines a and b on the same plane. |
| Incident lines | Two lines which have only one point in common |

Perpendicular lines

Two lines which are incident and form four right angles.

Parallel lines

Two lines which have no point in common.

Ray

It is a line with a start point but no end point.

Segment

It is a line between two points.

Angle

It is the amount of turn between two straight lines that have a common end point (the vertex).

Complementary angles

When the sum of the two angles is 90° .

**Supplementary
angles**

**When the sum of the
two angles is 180°**

Congruent angles

**When two angles
have the same angle
in degrees.**

Bisector

**It is a straight line
which divides the
angle into two
congruent angles.**

Distance between a point and a straight line

It is the length of the segment of the perpendicular from that point on the line.

Polygon

It is a plane shape with straight sides.

Diagonal

It is a segment that links two vertex not linked by a side.

Perimeter

It is the sum of the sides of a polygon.

Triangle

It is a polygon with three vertex, three sides, three angles and no diagonals.

Acute triangle

In this all the angles are less than 90°

Right triangle

**It has one right angle.
The sides have
special name:
hypotenuse (the
side opposite the
right angle) and
cathetus (the sides**

Obtuse triangle

**It has one angle of
more than 90° .**

Scalene triangle

**It has no equal sides
and no equal angles**

Isosceles triangle

**It has two equal sides
and two equal
angles.**

Equilateral triangle

**It has three equal
sides and three equal
angles.**

Trapezium

**It is a quadrilateral
with two parallel
opposite sides.**

Parallelogram

**It is a quadrilateral
with parallel opposite
sides.**

Rectangle

**It is a quadrilateral
with parallel opposite
sides and of equal
length.**

Rhombus

**It is a quadrilateral
with parallel opposite
sides and two
congruent
consecutive sides.**

Square

It is a quadrilateral with all the sides congruent and all the angles right.

x axis

The line on a graph that runs horizontally (left-right) through zero.

y axis

The line on a graph that runs vertically (up-down) through zero.