

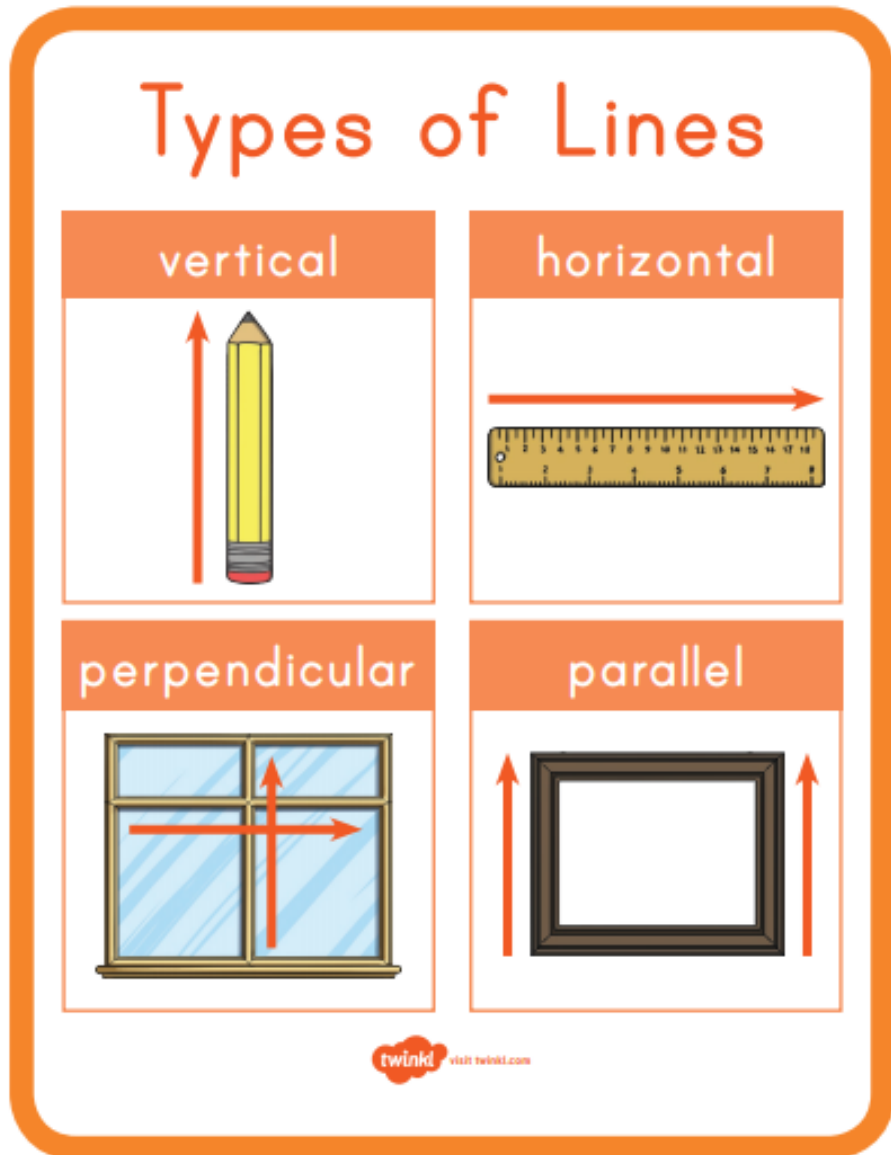
Monday

Vertical lines go straight up or down.

Horizontal lines go straight across the page.

Parallel lines run next to each other at the same distance. These lines will never meet and the distance between the lines will remain the same forever.

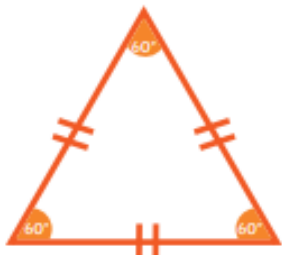
Perpendicular lines are lines that cross each other to make a right angle.



Tuesday

Types of Triangle

equilateral



3 equal sides
3 equal angles (60°)

isosceles



2 equal sides
2 equal angles

right angle



One angle is a right angle (90°)
Two other angles add up to 90°
The longest side is called the hypotenuse.

scalene



All sides are different
All angles are different.

Equilateral Triangles - Everything is the same (or equal) equal angles and equal sides.

Scalene Triangles - All angles and sides are different. Nothing is the same.

Isosceles Triangles - 2 angles and 2 sides must be equal.

Right-Angled Triangles - A triangle that has one right angle (90 degrees)

Wednesday

Polygons - A fancy name for a 2D shape with 3 or more sides.

Regular Polygons - Everything is the same (or equal) equal angles and equal sides. All of them must be equal.

Example - A square is a regular Polygon because it has the equal angles (all are 90 degrees) and all the sides are equal.

Irregular Polygons - When all of the angles or the sides aren't equal.

Example - Rectangles are irregular because even though all the angles are the same (90 degrees) the sides are different lengths, so it cannot be regular.

Thursday



Properties of Rectangles - Opposite angles are the same, opposite sides are the same. All angles are equal, and angles add up to 360 degrees. A rectangle has 4 lines of symmetry and 4 right angles.

Friday

TYPES OF ANGLES

ADJACENT ANGLE

Angle with a common vertex and one common side



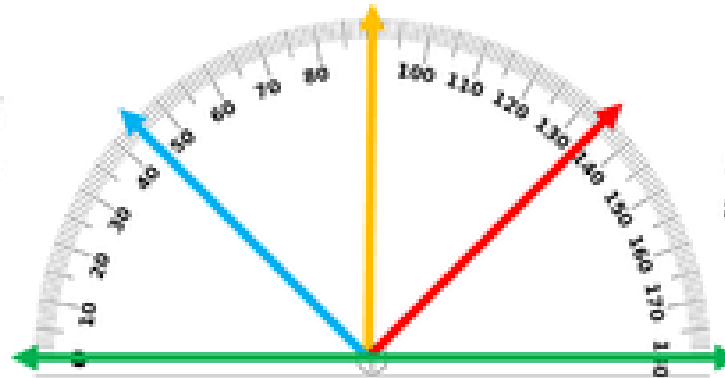
COMPLEMENTARY ANGLES

Two angles whose measures add to 90 degrees



PROTRACTOR

A protractor is an instrument to measure angles. They are measured in degrees.



SUPPLEMENTARY ANGLE

Two angles whose measures add to 180 degrees.



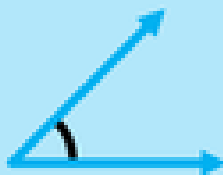
VERTICAL ANGLE

Angles that have a common vertex and whose sides are formed by the same lines



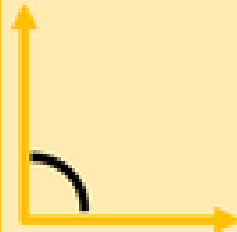
ACUTE

An angle that is less than 90°



Right

An angle that is 90°



OBTUSE

An angle that is between 90° and 180°



STRAIGHT

An angle that is 180°



REFLEX

An angle that is more than 180°



Full

An angle that is 360°

