Max’s Geometry Transformation Word Mat

Learning objective: To understand and define key vocabulary related to the transformation of shapes in 2D space.

Key Vocabulary

Max the monkey has organized these terms into categories to help you solve geometry puzzles. Use this mat to check your understanding of how shapes move and change on a coordinate grid.

Transformation A change in the position, si…	**Translation** Moving a shape up, down, or si…	**Reflection** Creating a mirror image of a sha…
Rotation Turning a shape around a fixed poi…	**Vertex** A corner point where two or more ed…	**Coordinate** A pair of numbers (x, y) that sh…
Quadrant One of the four sections created b…	**Axis** A fixed reference line for measurement;…	**Origin** The point (0, 0) where the x-axis and …
Clockwise Turning in the same direction as …	**Anti-clockwise** Turning in the opposite direct…	**Degrees** The unit used to measure the size o…
Mirror line The line across which a shape is …	**Horizontal** A line that goes side to side, paral…	**Vertical** A line that goes straight up and dow…
Congruent When two shapes are identical in…	**If you translate a …**	**Max wants to rota…**
Define 'Origin' an…	**Name the two ax…**	**What is the differ…**