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| **Topic/Skill** | **Definition/Tips** | **Example**  **Topic: Properties of Polygons** |
| 1. Square | * **Four equal sides** * **Four right angles** * **Opposite sides parallel** * **Diagonals bisect** each other at **right angles** * **Four lines** of **symmetry** * **Rotational symmetry** of **order four** |  |
| 2. Rectangle | **• Two pairs** of **equal sides  • Four right angles  • Opposite sides parallel**  **• Diagonals bisect** each other**, not at right angles • Two lines** of **symmetry  • Rotational symmetry** of **order two** |  |
| 3. Rhombus | **• Four equal sides  • Diagonally opposite angles are equal  • Opposite sides parallel  • Diagonals bisect** each other at **right angles  • Two lines** of **symmetry  • Rotational symmetry** of **order two** |  |
| 4. Parallelogram | **• Two pairs** of **equal sides  • Diagonally opposite angles are equal  • Opposite sides parallel  • Diagonals bisect** each other**, not at right angles • No lines** of **symmetry  • Rotational symmetry** of **order two** |  |
| 5. Kite | **• Two pairs** of **adjacent sides** of **equal** length **• One pair** of **diagonally opposite angles are equal** (where different length sides meet) **• Diagonals intersect** at **right angles, but do not bisect  • One line** of **symmetry**  **• No rotational symmetry** |  |
| 6. Trapezium | * **One pair** of **parallel sides** * **No lines of symmetry** * **No rotational symmetry**   Special Case: Isosceles Trapeziums have one line of symmetry. |  |

**Knowledge Organiser**