

Math DesCartes: Concepts and Principles of Geometry

Skills: Symmetry and Transformation

Students:	DesCartes Skills: <small>(Highlight the skills related to your chosen standard/concept)</small>
	RIT 251-260: <ul style="list-style-type: none"> • Determines whether a given pattern or polygon will tessellate • Uses picture representations to solve problems involving symmetry of figures with respect to a point or line • Uses picture representations to solve problems involving transformations of figures
	RIT 241-250: <ul style="list-style-type: none"> • Identifies symmetry of a sphere
	RIT 231-240: <ul style="list-style-type: none"> • Identifies geometric transformations (dilations)
	RIT 221-230: <ul style="list-style-type: none"> • Predicts changes necessary to create symmetry in basic shapes • Identifies geometric transformations (rotations) • Identifies geometric transformations (translations) • Identifies geometric transformations (reflections)
	RIT 211-220: <ul style="list-style-type: none"> • Classifies figures by the number of lines of symmetry • Identifies geometric transformations (rotations) • Identifies geometric transformations (translations) • Identifies geometric transformations (reflections)
	RIT 201-210: <ul style="list-style-type: none"> • Classifies figures by the number of lines of symmetry • Defines transformations
	RIT 191-200: <ul style="list-style-type: none"> • Identifies figures with line symmetry • Identifies the number of lines of symmetry in figures • Identifies transformations of plane figures (reflections/flips)
	RIT 181-190: <ul style="list-style-type: none"> • Identifies figures with line symmetry • Identifies transformations of plane figures (rotations/turns) • Identifies transformations of plane figures (translations/slides)
	RIT 161-180: <ul style="list-style-type: none"> • <i>No Skills Listed</i>
	RIT Below 161: <ul style="list-style-type: none"> • Predicts the shape after unfolding a figure

Lesson Title:

Standard/Concept for All:

For Students Ready for a Challenge:

Lesson/Activity:

Resources:

Means of Assessment:

For Most Students:

Lesson/Activity:

Resources:

Means of Assessment:

For Students Needing Extra Support:

Lesson/Activity:

Resources:

Means of Assessment:

Closure/Summary for All:

