

Math ISAT: Concepts and Principles of Geometry

Skills: Similarity, Congruence, and Scale

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| Students: | RIT Above 270: <ul style="list-style-type: none">• <i>No Skills Listed</i> |
| Students: | RIT 261-270: <ul style="list-style-type: none">• <i>No Skills Listed</i> |
| Students: | RIT 251-260: <ul style="list-style-type: none">• Solves problems involving similar polygons (not triangles)• Verifies congruency of triangles using ASA, SAS, SSS, or AAS• Solves problems involving properties of similar triangles (e.g., using geometric mean, Triangle Proportionality Theorem) |
| Students: | RIT 241-250: <ul style="list-style-type: none">• Identifies properties of similar figures |
| Students: | RIT 231-240: <ul style="list-style-type: none">• Uses similarity to solve problems using scale drawings• Identifies properties of congruent triangles• Uses similar triangles to construct ratios and solve for a missing side• Solves problems involving properties of congruent triangles |
| Students: | RIT 221-230: <ul style="list-style-type: none">• Uses similarity to solve problems using scale drawings• Uses similar figures to construct ratios and solve for a missing side• Uses similar triangles to construct ratios and solve for a missing side |
| Students: | RIT 211-220: <ul style="list-style-type: none">• Identifies congruent polygons and their corresponding sides and angles• Recognizes similar figures in the real world• Defines "similarity"• Uses similar figures to construct ratios and solve for a missing side• Identifies similar and congruent triangles |
| Students: | RIT 201-210: <ul style="list-style-type: none">• <i>No Skills Listed</i> |
| Students: | RIT 191-200: <ul style="list-style-type: none">• Identifies figures that are the same size and shape (analysis)• Identifies congruent figures |
| Students: | RIT 181-190: <ul style="list-style-type: none">• Identifies congruent figures• Identifies figures that are similar• Identifies congruent lines |
| Students: | RIT 171-180: <ul style="list-style-type: none">• Identifies figures that are similar |
| Students: | RIT 161-170: <ul style="list-style-type: none">• Identifies figures that are the same size and shape |
| Students: | RIT Below 161: <ul style="list-style-type: none">• Identifies figures that are the same size and shape |