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| **MT: Geometry** | | |
|  | **Learn** | **Practice** |
| **Target 1:** : Find the area of triangles, quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other shapes; apply these techniques in the context of solving real-world and mathematical problems. (M.6.G.1) | * <http://quizlet.com/39954362/geometry-6g1-flash-cards/> * <https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-area/v/area-of-a-parallelogram> * <http://www.youtube.com/watch?v=461qf7N7Qbg&feature=player_embedded> * <http://www.sophia.org/tutorials/area-of-a-parallelogram-with-triangles-and-rectang--5> * <http://www.sophia.org/tutorials/area-of-a-parallelogram-with-triangles-and-rectang--3> * <http://www.sophia.org/tutorials/area-of-a-parallelogram-with-triangles-and-rectang--2> * <http://learnzillion.com/lessons/1883-find-the-area-of-a-right-triangle> * <http://learnzillion.com/lessons/1059-find-the-area-of-nonright-triangles-by-composing-a-parallelogram> * <http://www.youtube.com/watch?feature=player_embedded&v=c9o-sD1lRj0> * <http://www.sophia.org/tutorials/area-of-a-triangle--8> * <http://www.wyzant.com/resources/lessons/math/geometry/areas/parallelograms_and_triangles> * <http://www.wikihow.com/Sample/Area-of-a-Triangle-Base-Times-Height> * <http://www.wikihow.com/Calculate-the-Area-of-a-Triangle> * <http://mathschallenge.net/library/geometry/area_planar> * <http://www.mathgoodies.com/lessons/vol1/area_triangle.html> * <https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-area/v/area-of-a-trapezoid-1> * <https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-area/v/area-comparisons> * <https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-area/v/area-of-a-kite> * <https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-area/v/area-breaking-up-shape> * <https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-area/v/area-of-strange-quadrilateral> * <http://learnzillion.com/lessons/1060-find-the-area-of-a-trapezoid-by-composing-a-parallelogram> * <http://learnzillion.com/lessons/1061-find-the-area-of-polygons-by-decomposing-into-triangles-rectangles-parallelograms-and-trapezoids> * <http://www.sophia.org/tutorials/area-of-a-rhombus--2> * <http://www.sophia.org/tutorials/formula-for-the-area-of-a-parallelogram--14> * <http://www.sophia.org/tutorials/area-of-a-rhombus--12> * <http://www.sophia.org/tutorials/area-formula> * <http://www.sophia.org/tutorials/area-formulas> * <http://www.sophia.org/tutorials/the-area-of-a-regular-polygon--3> * <http://www.wikihow.com/Sample/Area-of-a-Triangle-Base-Times-Height> * <http://www.wikihow.com/Calculate-the-Area-of-a-Triangle> * <http://www.mathgoodies.com/lessons/vol1/area_trapezoid.html> * <http://learnzillion.com/student/lessons/3397-solve-real-world-problems-by-finding-the-area-of-a-rectangle> * <http://www.youtube.com/watch?v=rwohMXc13gk> * <http://www.youtube.com/watch?v=BKEmIxGhSE4> * <http://www.youtube.com/watch?v=YPbF7t4Xt1E> * <http://www.mathgoodies.com/lessons/vol1/area_parallelogram.html> | * <https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-area/e/area_of_parallelograms> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-coordinate-plane/e/coordinate-plane-word-problems> * <http://www.ixl.com/math/geometry/area-of-compound-figures> * <http://www.sophia.org/tutorials/area-of-a-parallelogram-with-triangles-and-rectang--5> * <http://www.sophia.org/tutorials/area-of-a-parallelogram-with-triangles-and-rectang--2> * <http://www.ixl.com/math/grade-7/area-of-rectangles-and-parallelograms> * <http://www.sophia.org/tutorials/area-of-a-triangle--8> * <http://www.mathgoodies.com/lessons/vol1/area_triangle.html> * <http://www.orglib.com/6.g.1-area-10previewTest_0d1520c2bb_c903c493c7614022aa24fa9a921d1115_689_20_4_633a639790984973b29ed61ca0538400.html> * <http://www.orglib.com/6.g.1-area-9previewTest_0d1520c2bb_c903c493c7614022aa24fa9a921d1115_689_20_5_b3a68b1255f4439293368c8c28c5757f.html> * <http://www.commoncoresheets.com/Math/Area/Area%20of%20Triangles%20(base%20and%20height)/2.pdf> * <https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-area/e/areas_of_trapezoids_rhombi_and_kites> * <https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-area/e/area-of-quadrilaterals-and-polygons> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-coordinate-plane/e/coordinate-plane-word-problems> * <http://www.ixl.com/math/geometry/area-of-compound-figures> * <http://www.sophia.org/tutorials/area-of-a-rhombus--2> * <http://www.sophia.org/tutorials/formula-for-the-area-of-a-parallelogram--14> * <http://www.sophia.org/tutorials/area-of-a-rhombus--12> * <http://www.sophia.org/tutorials/area-formulas> * <http://illuminations.nctm.org/Activity.aspx?id=3567> * <http://www.mathgoodies.com/lessons/vol1/area_trapezoid.html> * <http://www.mathgoodies.com/lessons/vol1/area_parallelogram.html> * <http://www.ixl.com/math/grade-6/area-of-compound-figures> * <http://www.ixl.com/math/grade-6/area> * <http://www.commoncoresheets.com/Math/Area/Area%20of%20Triangles%20(base%20and%20height)/1.pdf> * <http://www.commoncoresheets.com/Math/Area/Area%20of%20Triangles%20(base%20and%20height)/2.pdf> |
| **Target 2:** Apply the formulas V=lwh and V=Bh to find volumes of right rectangular prisms with fractional edge lengths in the context of solving real-world and mathematical problems. (M.6.G.2) | * <http://quizlet.com/39955072/geometry-6g2-flash-cards/> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-volume-surface-area/v/volume-of-a-rectangular-prism-with-fractional-cubes> * <http://learnzillion.com/lessons/1062-find-the-volume-of-a-rectangular-prism-by-filling-it-with-unit-cubes> * <http://www.wikihow.com/Calculate-the-Volume-of-a-Rectangular-Prism> * <http://www.youtube.com/watch?v=u1nWI2b0fT4> * <http://www.youtube.com/watch?v=E8tuMaDxgJM> * <http://www.youtube.com/watch?v=jgpwhYLm6uo> * <http://www.youtube.com/watch?v=nZxldpVaQLo> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-volume-surface-area/v/volume-of-a-rectangular-prism-with-fractional-dimensions> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-volume-surface-area/v/marbles-in-tank-volume> * <http://learnzillion.com/lessons/1063-find-the-volume-of-a-rectangular-prism-by-developing-a-formula> * <http://www.youtube.com/watch?v=E8tuMaDxgJM> * <http://www.youtube.com/watch?v=Cx4XDe8TUHM> * <http://www.youtube.com/watch?v=LXVEEouCVg4> * <http://www.ck12.org/geometry/Volume-of-Prisms/enrichment/Volume-of-a-Cube-or-Cuboid-using-V-lwh-Overview/r1/> * <http://www.mathsisfun.com/cuboid.html> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-volume-surface-area/v/marbles-in-tank-volume> * <http://learnzillion.com/lessons/1064-find-the-volume-of-a-rectangular-prism-with-fractional-edge-lengths> * <http://www.youtube.com/watch?v=Msec9lz37fI> * <http://www.ck12.org/geometry/Volume-of-Prisms/enrichment/Volume-of-Liquids-Example-5/r1/> * <http://www.ck12.org/geometry/Volume-of-Prisms/enrichment/Volume-of-a-Cube-or-Cuboid-using-V-Bh-Example-1/r1/> | * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-volume-surface-area/e/volume_with_unit_cubes_2> * <http://www.xpmath.com/forums/arcade.php?do=play&gameid=118> * <http://www.learner.org/interactives/geometry/area_volume.html> * <http://www.mathvillage.info/node/111> * <http://www.mangahigh.com/en-us/math_games/shape/length_area_and_volume/volume_of_a_rectangular_prism> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-volume-surface-area/e/volume_with_fractions> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-volume-surface-area/e/volume-word-problems-with-fractions> * <http://www.shodor.org/interactivate/activities/SurfaceAreaAndVolume/> * <http://www.opusmath.com/common-core-standards/6.g.2-find-the-volume-of-a-right-rectangular-prism-with-fractional-edge-lengths> * <http://www.ck12.org/assessment/ui/build-20140410183904/views/test.view.new.html?52292efeda2cfe08d17b08b5?type=practice&referrer=practice_details&ep=http://www.ck12.org/geometry/Volume-of-Prisms/asmtpractice/Volume-of-Prisms-Practice/r1/> * <http://www.mathsisfun.com/cuboid.html><http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-volume-surface-area/e/volume-word-problems-with-fractions> * <http://www.opusmath.com/common-core-standards/6.g.2-find-the-volume-of-a-right-rectangular-prism-with-fractional-edge-lengths> * <http://www.ck12.org/assessment/ui/build-20140410183904/views/test.view.new.html?52292efeda2cfe08d17b08b5?type=practice&referrer=practice_details&ep=http://www.ck12.org/geometry/Volume-of-Prisms/asmtpractice/Volume-of-Prisms-Practice/r1/> * <http://www.mangahigh.com/en-us/math_games/shape/length_area_and_volume/volume_of_a_rectangular_prism> * <http://www.algebralab.org/practice/practice.aspx?file=Word_VolumePrisms.xml> |
| **Target 3:** Draw polygons in the coordinate plane given coordinates for the vertices; use coordinates to find the length of a side joining points with the same first coordinate or the same second coordinate. Apply these techniques in the context of solving real-world and mathematical problems. (M.6.G.3) | * <http://quizlet.com/39955331/geometry-6g3-flash-cards/> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-coordinate-plane/v/the-coordinate-plane> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-polygons-in-the-coordinate-plane/v/Analyzing%20polygon%20on%20the%20coordinate%20plane> * <http://learnzillion.com/lessons/1067-determine-unknown-ordered-pairs-using-the-characteristics-of-polygons> * <http://www.youtube.com/watch?feature=player_embedded&v=s7NKLWXkEEE> * <http://www.ck12.org/geometry/Polygon-Classification-in-the-Coordinate-Plane/lesson/user%3AbHlhLnNuZWxsQGhlbnJ5LmsxMi5nYS51cw../Polygons-in-the-Coordinate-Plane-MCC6.G.3/> * <http://www.onlinemathlearning.com/polygon-coordinate-plane-6g3.html> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-coordinate-plane/v/coordinate-plane-word-problems-exercise> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-polygons-in-the-coordinate-plane/v/constructing-polygon-on-coordinate-plane-example> * <http://learnzillion.com/lessons/1068-find-distances-on-a-map-by-comparing-ordered-pairs> * <http://www.ck12.org/section/The-Coordinate-Plane/> * <http://www.youtube.com/watch?v=4bFowyMCGqo> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-coordinate-plane/v/coordinate-plane-word-problems-exercise> * <http://learnzillion.com/lessons/1068-find-distances-on-a-map-by-comparing-ordered-pairs> * <http://www.ck12.org/section/The-Coordinate-Plane/> * <http://www.youtube.com/watch?v=4bFowyMCGqo> * <http://www.youtube.com/watch?v=jpYkzj2BPyM> | * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-coordinate-plane/e/identifying_points_1> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-polygons-in-the-coordinate-plane/e/polygons-in-the-coordinate-plane> * <http://www.ck12.org/geometry/Polygon-Classification-in-the-Coordinate-Plane/lesson/user%3AbHlhLnNuZWxsQGhlbnJ5LmsxMi5nYS51cw../Polygons-in-the-Coordinate-Plane-MCC6.G.3/> * <http://www.onlinemathlearning.com/polygon-coordinate-plane-6g3.html> * [http://mathsframe.co.uk/en/resources/resource/153/coordinates\_\_reasoning\_about\_position\_and\_shapes#](http://mathsframe.co.uk/en/resources/resource/153/coordinates__reasoning_about_position_and_shapes)<http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-polygons-in-the-coordinate-plane/e/drawing-polygons> * <https://www.softchalkcloud.com/lesson/files/6y1kqdc5RIwiJ7/M6G3_print.html> * <http://www.ck12.org/section/The-Coordinate-Plane/> * <http://www.commoncoresheets.com/Math/Grids/Finding%20Distance%20Same%20X%20or%20Y/1.pdf> * <http://www.commoncoresheets.com/Math/Grids/Finding%20Distance%20Same%20X%20or%20Y/2.pdf><http://www.ck12.org/section/The-Coordinate-Plane/> * <http://www.commoncoresheets.com/Math/Grids/Finding%20Distance%20Same%20X%20or%20Y/2.pdf> * <http://www.commoncoresheets.com/Math/Grids/Finding%20Distance%20Same%20X%20or%20Y/3.pdf> * <http://www.mathplayground.com/mathgames/SL_LocateAliens_secure.swf> * <http://www.ixl.com/math/grade-6/coordinate-graphs-review> |