

Unit 1: Scale Drawings[Open Up Family Resource Link](#)

Lesson	Skill	Online Resources	Standard
1	Determine if a figure is a scaled copy of another figure. Describe characteristics of a scaled copy.	https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-geometry/cc-7th-scale-drawings/v/exploring-scale-copies https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-geometry/cc-7th-scale-drawings/e/explore-scale-copies https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-geometry/cc-7th-scale-drawings/v/identifying-scaled-copies https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-geometry/cc-7th-scale-drawings/e/identify-scale-copies	7.G.A.1
2	Identify corresponding points, corresponding segments, and corresponding angles in a pair of figures. Describe what the scale factor has to do with a figure and its scaled copy.	https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-geometry/cc-7th-scale-drawings/v/corresponding-points-and-sides-of-scaled-shapes https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-geometry/cc-7th-scale-drawings/e/corresponding-sides-and-points-in-scale-drawings https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-geometry/cc-7th-scale-drawings/v/identifying-scale-factors https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-geometry/cc-7th-scale-drawings/e/scale-factor-in-scale-drawings	7.G.A.1
3	Know what operation to use on the side lengths of a figure to produce a scaled copy. Draw a scaled copy of a figure using a given scale factor.	https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-geometry/cc-7th-scale-drawings/v/identifying-values-in-scale-drawings https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-geometry/cc-7th-scale-drawings/e/scale-copies https://www.youtube.com/watch?v=Zsdv_X18wD8	7.G.A.1
4	Use corresponding distances and corresponding angles to tell whether one figure is a scaled copy of another. Know that corresponding angles in two scaled copies are congruent.	https://www.youtube.com/watch?v=lu8WLD9SP_c http://virtualnerd.com/geometry/similarity/polygons/find-scale-factor-similar-figures	7.G.A.1

	Know that corresponding distances in two scaled copies form equivalent ratios.		
5	Describe the effect on a scaled copy when a scale factor that is greater than 1, less than 1, or equal to 1 is used. Explain how the scale factor that takes Figure A to its copy Figure B is related to the scale factor that takes Figure B to Figure A.	https://www.youtube.com/watch?v=fA2EZoYgMgA https://www.youtube.com/watch?v=22zNVcV_iKQ https://www.varsitytutors.com/hotmath/hotmath_help/topics/scale-factor	7.G.A.1
6	Describe how the area of a scaled copy is related to the area of the original figure and the scale factor that was used.	https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-geometry/cc-7th-scale-drawings/v/scale-factors-and-area https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-geometry/cc-7th-scale-drawings/v/scale-drawing-example-2 https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-geometry/cc-7th-scale-drawings/e/relate-scale-drawings-to-area	7.G.A.1, 7.G.B.6
7	Explain what a scale drawing is, and I can explain what its scale means. Use a scale drawing and its scale to find actual distances. Use actual distances and a scale to find scaled distances.	https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-geometry/cc-7th-scale-drawings/v/scale-drawings-example https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-geometry/cc-7th-scale-drawings/a/scale-drawing-word-problems https://ca.ixl.com/math/grade-7/scale-drawings-word-problems	7.G.A.1
8	Use a map and its scale to solve problems about traveling.	https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-geometry/cc-7th-scale-drawings/v/ratio-word-problem-exercise-example-2 https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-geometry/cc-7th-scale-drawings/e/interpreting-scale-drawings	7.G.A.1
9	Create a scale drawing at a given scale. Know how different scales affect the lengths in the scale drawing. Determine the scale of a scale drawing when I know lengths on the drawing and corresponding actual lengths.	https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-geometry/cc-7th-scale-drawings/v/constructing-scale-drawings https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-geometry/cc-7th-scale-drawings/e/constructing-scale-drawings	7.G.A.1
10	Given a scale drawing, create another scale drawing that shows the same thing at a different scale.	https://learnzillion.com/lesson_plans/347-reproduce-a-scale-drawing-at-a-different-scale-by-using-scale-factors/	7.G.A.1

	Use a scale drawing to find actual areas.	https://www.youtube.com/watch?v=_DE0FkGB6tE https://www.youtube.com/watch?v=OAvdA0CZOU8 https://www.youtube.com/watch?v=UBXSsCuAF_s	
11	Use scales without units to find scaled distances or actual distances. Explain the meaning of scales expressed without units.	https://www.modelcars.com/model-scales https://www.youtube.com/watch?v=jKxSllih6cQ https://www.youtube.com/watch?v=n7na5SP3pAU	7.G.A.1
12	Write scales with units as scales without units. Determine whether two scales are equivalent.	http://www.finescale.com/~media/import/files/pdf/9/c/0/tips_for_scales.pdf https://www.firstinarchitecture.co.uk/understanding-scales-and-scale-drawings/ http://faculty.chemeketa.edu/afrank1/topo_maps/scale.htm	7.G.A.1