for Parents

CCRSM Grade 8 Module 3





Information for this newsletter was gathered from DoDEA's CCRSM Curriculum Framework and engage^{ny}

dimensions.

right triangles in real-world and mathematical problems in two and three

📕 Major Standards 📘 Supporting Standards 🚺 Additional Standards



New Math Terminology, Theorems and Examples

• **Dilation**: A dilation is a transformation that produces an image that is the same shape as the original but is a different size. A dilation stretches or shrinks the original figure. The description of a dilation includes the *scale factor (r)*.



- Similar Two figures in a plane are similar if there exists a similarity transformation taking one figure onto the other figure. A congruence is a similarity with scale factor 1. It can be shown that a similarity with scale factor 1 is a congruence.
- AA Criterion for Similarity: Two triangles with two pairs of equal angles are similar.
- Given just one pair of corresponding angles of a triangle as equal, use the side lengths along the given angle to determine if the triangles are in fact similar.
- Given similar triangles, use the fact that ratios of corresponding sides are equal to find any missing measurements.

$|\angle A| = |\angle D| \text{ and } \frac{1}{2} = \frac{3}{6} = r; \text{ therefore,}$



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