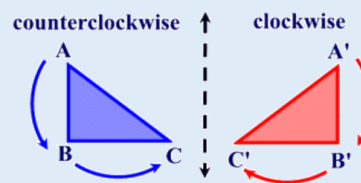


The Common Denominator

A Family Math Newsletter

Pre-Algebra Unit 6: Transformational Geometry



Unit at a Glance

Skills/ Topics:

- Experiment to verify the properties of rotations, reflections, and translations.
- Describe the effect of dilations, translations, rotations, and reflections using coordinates.
- Use a sequence of transformations to describe whether two figures on a coordinate plane are congruent or similar.
- Establish facts about the angles formed when parallel lines are cut by a transversal.

Length:

45 minutes: 37 days; 90 minutes: 18.5 days



Exploring Mathematics

Careers:

[Artists, Window Makers, Engineers](#)

Math @ Home:

How does a mirror work?

[Translator Game](#)



Resource Toolkit

HMH Resources

Module 19: Transformations and Congruence pg. 593-630

Module 20: Transformations and Similarity pg. 631-659

Module 21: Angle Relationships in Parallel Lines and Triangles pg. 661-690

Discovery ED Techbook Info

Grade 8

Congruence and Similarity concepts 3.1, 3.2, and 3.3

Intersecting Lines and Angles concepts 6.1 and 6.2

Homework Help Section

Open Up Resources

Units 1 and 2 All Lessons and Practice Problems

[Khan Academy– Rotating Points](#)

[Khan Academy– Reflecting Points](#)

[Khan Academy– Translations](#)

[Khan Academy– Dilations](#)

[Khan Academy– Transversals](#)

“There is a difference between not knowing and not knowing yet.”

- Sheila Tobias