

# Identity and Equality Properties

## Summary

The student will understand the Identity and Equality Properties

## Main Core Tie

Mathematics Grade 7

[Strand: EXPRESSIONS AND EQUATIONS \(7.EE\) Standard 7.EE.1](#)

## Time Frame

1 class periods of 45 minutes each

## Group Size

Pairs

## Life Skills

Thinking & Reasoning, Systems Thinking

## Background for Teachers

This lesson makes use of ipads

## Student Prior Knowledge

students should be familiar with ipads

## Intended Learning Outcomes

Students will understand and be able to use the Identity and Equality Properties.

## Instructional Procedures

Note: All materials are available on the website listed on the materials tab. The lesson starts with the pre-assessment, then the teacher presents the powerpoint lesson [properties\\_of\\_identity\\_and\\_equality.ppt](#) to the class as a large group. The students then explore the websites "Classifying numbers" and "Properties of real numbers" using ipads. Homework is [hw\\_identity\\_and\\_equality\\_properties.pdf](#)

## Strategies for Diverse Learners

struggling students may use [study\\_guide\\_identity\\_and\\_equality.pdf](#) as homework.

## Extensions

A video of the lesson is downloadable and may be posted on the class website for review by students outside the classroom.

## Rubrics

[Math Problem Solving Rubric](#)

## Bibliography

open-source materials from Henrico County Schools

## Authors

[Tina Eagar](#)