

## 8th Grade Go Math Pacing Guide

**\*Dates are subject to change**

**Green:** Major Clusters

**Blue:** Supporting Clusters

**Yellow:** Additional Clusters

<https://achievethecore.org/category/774/mathematics-focus-by-grade-level>

### **Trimester 1**

**(Ends December 14th)**

**\*Unit Vocabulary, Reading Start Up, and Are You Ready should take 1 full day.**

1. **Module 1 (Real Numbers):** Lessons 1.1, 1.2, 1.3
2. **Module 2 (Exponents and Scientific Notation):** Lessons 2.1, 2.2, 2.3, 2.4, Unit Test
3. **Module 3 (Proportional Relationships):** Lessons 3.1, 3.2, 3.3
4. **Module 4 (Nonproportional Relationships):** Lessons 4.1, 4.2, 4.3, 4.4
5. **Module 5 (Writing Linear Equations):** Lessons 5.1, 5.2, 5.3

### **Trimester 2**

**(Ends March 17th)**

**\*Unit Vocabulary, Reading Start Up, and Are You Ready should take 1 full day.**

6. **Module 6 (Functions):** Lessons 6.1, 6.2, 6.3, 6.4, Unit Test
7. **Module 7 (Solving Linear Equations):** Lessons 7.1, 7.2, 7.3, 7.4
8. **Module 8 (System of Linear Equations):** Lessons 8.1, 8.2, 8.3, 8.4, 8.5, Unit Test
9. **Module 9 (Transformations and Congruence):** Lessons 9.1, 9.2, 9.3, 9.4, 9.5
10. **Module 10 (Transformations and Similarity):** Lessons 10.1, 10.2, 10.3, Unit Test

## Trimester 3 (Ends June 24th)

**\*Unit Vocabulary, Reading Start Up, and Are You Ready should take 1 full day.**

11. **Module 11 (Angle Relationships):** Lessons 11.1, 11.2, 11.3
12. **Module 12 (Pythagorean Theorem):** Lessons 12.1, 12.2, 12.3
13. **Module 14 (Scatter Plots):** Lessons 14.1, 14.2
14. **Module 15 (Two-Way Tables):** Lessons 15.1, 15.2
15. **Module 13 (Volume):** Lessons 13.1, 13.2, 13.3

### MAJOR, SUPPORTING, AND ADDITIONAL CLUSTERS FOR GRADE 8

Emphases are given at the cluster level. Refer to the Common Core State Standards for Mathematics for the specific standards that fall within each cluster.

Key: ■ Major Clusters    □ Supporting Clusters    ● Additional Clusters

- 8.NS.A | □ Know that there are numbers that are not rational, and approximate them by rational numbers.
- 8.EE.A | ■ Work with radicals and integer exponents.
- 8.EE.B | ■ Understand the connections between proportional relationships, lines, and linear equations.
- 8.EE.C | ■ Analyze and solve linear equations and pairs of simultaneous linear equations.
- 8.FA | ■ Define, evaluate, and compare functions.
- 8.FB | ■ Use functions to model relationships between quantities.
- 8.G.A | ■ Understand congruence and similarity using physical models, transparencies, or geometry software.
- 8.G.B | ■ Understand and apply the Pythagorean Theorem.
- 8.G.C | ● Solve real-world and mathematical problems involving volume of cylinders, cones and spheres.
- 8.SPA | □ Investigate patterns of association in bivariate data.