

8th Grade Math

Instructional Time should Focus on Three Critical Areas:

- 1) Formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations;
- 2) Grasping the concept of a function and using functions to describe quantitative relationships;
- 3) Analyzing two- and three- dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.

| Time Frame | CCSS Engage NY Curriculum | # of Days | Intervention Curriculum |
|---|---|-----------|---|
| | Module 1: Integer Exponents and Scientific Notation | 20 | Intervention Lesson Planning Tool |
| Sep 8 – Sep 17 | <i>Routines & Procedures</i> Topic A Lessons 1 - 6 | 6 | Students enrolled in ALEKS, Initial ALEKS Knowledge Check |
| Sep 18 – Sep 25 (NWEA Sept 22 - 24) | Mid-Module Assessment: Topic A (assessment 1 day, return 1 day, remediation or further applications 1 day) | 3 | (Topics) ALEKS Pie Mastery Objectives (Fluency) QuickTables Addition 50%, Subtraction 40%, Multiplication 10%, Division 10% (3 sec. timer) |
| Sep 28 – Oct 7 (PD Oct 2) | Topic B Lessons 7 – 13 | 7 | (Prob.Solving Worksheets) 12 review, 4 ready-to-learn x 3 |
| Oct 8 – Oct 13 | End-of-Module Assessment: Topic B (assessment 1 day, return 1 day, remediation or further applications 2 days) | 4 | |
| | Module 2: The Concept of Congruence | 25 | ALEKS Lesson Planning Tool |
| Oct 14 – Oct 28 (ANET Oct 20 - 22) (No School Oct 23) | Topics A-B Lessons 1 – 10 | 10 | (T) ALEKS Pie Mastery Objectives |
| Oct 29 - Nov 4 (PD Nov 3) | Mid-Module Assessment: Topics A - B (assessment 1 day, return 1 day, remediation or further applications 2 days) | 4 | (F) QuickTables Addition 60%, Subtraction 50%, Multiplication 20%, Division 20% |
| Nov 5 – Nov 10 | Topic C Lessons 11 – 14 | 4 | (PS) 12 review, 4 ready-to-learn x 5 |
| Nov 11 – Nov 17 | End-of-Module Assessment: Topics A–C (assessment 1 day, return 1 day, remediation or further applications 3 days) | 5 | |

| | | | |
|---|---|-----------|---|
| | *Module D (Optional) Lessons 15 – 16 | 2 | |
| | Module 3: Similarity | 25 | ALEKS Lesson Planning Tool |
| Nov 18 – Nov 30 (No School Nov 26-27) | Topic A Lessons 1 - 7 | 7 | (T) ALEKS Pie Mastery Objectives (F) QuickTables Addition 70%, Subtraction 60%, Multiplication 30%, Division 30% (PS) 12 review, 4 ready-to-learn x 5 |
| Dec 1 – Dec 7 | Mid-Module Assessment: Topics A (assessment 1 day, return 1 day, remediation or further applications 3 days) | 5 | |
| Dec 8 – Dec 14 | Topic B Lessons 8 - 12 | 5 | |
| Dec 15 – Jan 5 (No School Dec 21–Jan 1) | End-of-Module Assessment: Topics A–C (assessment 1 day, return 1 day, remediation or further applications 4 days) | 6 | |
| Jan 6 – Jan 7 | Topic C Lessons 13 - 14 | 2 | |
| | Module 4: Linear Functions | 40 | |
| Jan 8 – Feb 2 (NWEA Jan 12 - 14) (No School Jan 18) (ANET Jan 26 - 28) | Topics A-B Lessons 1 - 14 | 14 | (T) ALEKS Pie Mastery Objectives (F) QuickTables Addition 90%, Subtraction 80%, Multiplication 75%, Division 75% (PS) 12 review, 4 ready-to-learn x 8 |
| Feb 3 – Feb 9 (PD Feb 5) | Mid-Module Assessment: Topics A - B (assessment 1 day, return 1 day, remediation or further applications 2 days) | 4 | |
| Feb 10 – Mar 10 (No School Feb 15-19) | Topics C-E Lessons 15 - 31 | 17 | |
| Mar 11 – Mar 17 | End-of-Module Assessment: Topics A–E (assessment 1 day, return 1 day, remediation or further applications 3 days) | 5 | |
| | Module 5: Examples of Fractions from Geometry | 15 | |
| Mar 18 – Apr 11 (ANET Mar 22 – 24) (No School Mar 25-Apr 1) | Topics A-B Lessons 1 - 11 | 11 | (T) ALEKS Pie Mastery Objectives (F) QuickTables Addition 90%, Subtraction 90%, Multiplication 80%, Division |
| Apr 12 - 15 | End-of-Module Assessment: Topics A–B (assessment 1 day, | 4 | |

| | | | |
|--|--|-----------|---|
| | return 1 day, remediation or further applications 2 days) | | 80% (PS) 12 review, 4 ready-to-learn x 3 |
| | Module 6: Linear Functions | 20 | |
| Apr 18 – Apr 29 (PD Apr 22) | Topics A-B Lessons 1 - 9 | 9 | (T) ALEKS Pie Mastery Objectives |
| May 2 – May 4 | Mid-Module Assessment: Topics A–B (assessment 1 day, return 1 day, remediation or further applications 1 day) | 3 | (F) QuickTables Addition 90%, Subtraction 90%, Multiplication 90%, Division 90% |
| May 5 – May 11 | Topics C-D Lessons 10 - 14 | 5 | (PS) 12 review, 4 ready-to-learn x 4 |
| May 12 – May 16 | End-of-Module Assessment: Topics A - D (assessment 1 day, return 1 day, remediation or further applications 1 day) | 3 | |
| | Module 7: Introduction to Irrational Numbers Using Geometry | 35 | |
| May 17 – Jun 10 (No School May 27-30) (NWEA May 31 – Jun 2) (ANET Jun 7 - 10) | Topics A-B Lessons 1 - 14 | 14 | (T) ALEKS Pie Mastery Objectives (F) QuickTables Games |
| Jun 13 – Jun 20 | Mid-Module Assessment: Topics A–B (assessment 2 days, return 1 day, remediation or further applications 3 days) | 6 | (PS) 12 review, 4 ready-to-learn x 7 |
| Jun 21 – Jul 12 (PD Jun 30 – Jul 1) (No School Jul 4 – Jul 8) | Topics C-D Lessons 15 - 23 | 9 | |
| Jul 13 – Jul 20 | End of Module Assessment Topics A–D (assessment 2 days, return 1 day, remediation or further applications 3 days) | 6 | |