



Instruction & Intervention

Coach[®] 

The word "Coach" in a large, black, sans-serif font, followed by a registered trademark symbol and a cartoon character of a coach wearing a blue cap and a yellow and blue striped shirt, giving a thumbs up.

Common Core Support Coach, Math Grade 8 **Summer School Pacing Guide**

To the Teacher...

The lessons and activities chosen for this Pacing Guide are those that we recommend as areas of focus within the *Common Core Support Coach* Math curriculum. It is designed for 22 days of instruction, so if your summer school program is shorter or longer, you can implement more or less of the options. Also, the plans are designed around a 75-minute learning session. You will want to adapt the plan if your sessions are either longer or shorter than 75 minutes.

The needs of each class are different, so incorporate the parts of the lessons that you see working most effectively for your students.

Have a wonderful summer program!

Common Core Support Coach, Math Grade 8
Summer School Pacing Guide
(22 Days, 75-minute sessions)

Planning	Day 1	Day 2	Day 3
<p>The Planning Chart includes 3 different activity sections for most sessions. We recommend that you change up the activity in each session.</p> <p>The suggested options in this plan include all sections of lessons and additional fluency practice on a regular basis.</p> <p>Depending on whether you wish to gather more comparative data on student's pre- and post-program performance or gather formative data during the program, you can rely more on the Support Tests or the lesson quizzes for assessment data.</p>	<p><u>Welcome and introduction to the text.</u></p> <p><u>Administer the Support Test 1 as pretest.</u></p> <p>Note- You might split the time for 30 minutes today and 30 minutes tomorrow for test. The other time begin lesson 1.</p>	<p>Fluency Practice- Multiplication Division Practice 5 min</p> <p>Support Coach Lesson 1- Irrational Numbers pp. 4–13 Plug In <i>Rational Numbers</i>, Review vocabulary word focus. Students complete with partners pp. 4-5. Power Up <i>Understanding Irrational Numbers</i> pp. 6-7. Teacher models vocabulary, discuss and do. Students complete practice. Ready to Go- pp. 8-11. Teacher models Lesson Link p. 8. Students do work together and practice in pairs pp. 9-11. 55 min</p> <p>Problem Solving- Painting a Circle pp. 12-13. Students work with teacher as expectations of this type of activity are outlined and shared. 15 min</p>	<p>Fluency Practice- Division & Multiplication Practice 5 min</p> <p>Problem Solving- Painting a Circle pp. 12-13. Students complete problems in pairs. 15 min</p> <p>Support Coach Lesson 2 - Square Roots Plug In <i>Evaluating Square Numbers</i> pp. 14-15. Read and discuss section. Students complete practice. Power up- <i>Evaluating Cube Numbers</i>. Students read and discuss pp. 16-17 and complete practice with teacher. Ready to Go- pp. 18-21 Teacher reviews lesson link and students solve Work Together in pairs to solve problems. Practice section completed by students independently. Pp. 18-21. 55 min</p>

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Day 4	Day 5	Day 6	Day 7
<p>Fluency Practice- Division Practice 5 min</p> <p>Support Coach Lesson 3 Scientific Notation pp.24–33. Plug In <i>Expressing Magnitude</i> pp. 24-25. Teacher guides lesson, discuss, and do sections. Power Up- Converting Between Scientific Notation and Standard Form. pp.26-27. Teacher models lesson, leads discussion and students complete practice. 40 min</p> <p>Problem Solving- Gift Boxes pp. 22-23. Students work with teacher and partner to complete process. 30 min</p> <p>Option: Administer the quizzes for Lessons 1 and 2.</p>	<p>Ready to Go - Scientific Notation pp. 28-31. Teacher reviews lesson link, leads discussion and students Do Work Together in pairs on p. 29 and Practice independently on pp. 30–31 30 min</p> <p>Performance Task- Teacher choice from teacher Manual. Students complete work and present their results 45 min</p>	<p>Fluency Practice- Division Practice 5 min</p> <p>Support Coach Lesson 4 Comparing Proportional Relationships pp. 34–43. Plug In <i>Unit Rate and Slope of a Line.</i> Teacher models lesson and vocabulary review. Students complete p. 35. Power Up <i>Graphing a Proportional Relationship</i> pp.36-37. Teacher models lesson and leads discuss and do. Students practice creating graphs. Ready to Go pp. 38-41. Teacher reviews lesson links and students discuss how the other lessons were helpful. Students work in pairs on Work Together and complete practice independently. 70 min</p>	<p>Fluency Practice- Multiplication and Division Practice 5 min</p> <p>Support Coach Lesson 5 - Slope pp 44–53. Plug In <i>Finding The Slope of a Line.</i> Teacher models lesson and leads discussion. Students complete practice pp. 44–45. Power Up Writing an Equation of a Line pp. 46-47. Teacher models lesson and reviews writing an equation. Students complete practice. 50 min</p> <p>Problem Solving – Swimmily Well pp. 32-33. 20 min</p> <p>Option: Administer the quizzes for Lessons 3 and 4.</p>

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Day 8	Day 9	Day 10	Day 11
<p>Ready to Go pp. 48-51. Teacher review lesson links and students practice slopes. Students work in pairs on Work Together and complete Practice on their own. 35 min</p> <p>Problem Solving - Faster Faucet pp. 42-43. 20 min</p> <p>Problem Solving - Underwater Pressure pp. 52-53. 20 min</p>	<p>Fluency Practice- Division Practice 5 min</p> <p>Support Coach Lesson 6 - Linear Equations with Rational Coefficients pp. 54–63.</p> <p>Plug In <i>interpreting Solutions of Equations</i> pp. 54-55. Teacher leads lesson and students complete practice.</p> <p>Power Up- <i>Linear Equations with Whole Number Coefficients</i> pp. 56-57. Discuss, do and practice.</p> <p>Ready to Go pp. 58-61. Teacher reviews lesson link, shares discussion with students. Whole group does Work Together pp. 58-59. 70 min</p>	<p>Ready to Go pp. 58-61. Students do Practice independently pp. 60–61. 35 min</p> <p>Problem Solving - All is Fair pp. 62-63. Students work to solve problems. 20 min</p> <p>Support Coach Lesson 7 - Linear Equations in Two Variables pp. 64-73.</p> <p>Plug In Solving Linear Equations Graphically. Teacher leads lesson and vocabulary review. Students complete practice pp. 64–65. 20 min</p> <p>Option: Administer the quizzes for Lessons 5 and 6.</p>	<p>Fluency Practice-Multiplication Practice 5 min</p> <p>Power Up <i>Solving Linear Systems Algebraically</i> pp. 66-67. Teacher discusses and students work in pairs to complete the do section and practice section.</p> <p>Ready to Go Teacher reviews lesson link and students work in pairs on Work Together and does practice independently pp. 68–71. 70 min</p>

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Day 12	Day 13	Day 14	Day 15
<p>Fluency Practice- Division Practice 5 min</p> <p>Support Coach Lesson 8 - Modeling Relationships with Functions pp. 74–83 Plug In <i>Understanding Functions</i> Teacher leads lesson, discuss, examples and students complete Practice section pp. 74–75. Power Up <i>Graphing the Equation $y = mx + b$</i> pp. 76-77. Teacher leads lesson and reviews key words and discussion. Ready to Go- pp. 78-81. Students complete review of skills, complete Practice section with a partner and check answers. 70 min</p>	<p>Problem Solving – Ice Cream Fundraiser pp. 72-73. Students work to solve problems. 20 min</p> <p>Support Coach Lesson 9 - Comparing Functions pp. 84–73 Plug In <i>Describing Functional Relationships from Graphs</i> pp.84-85. Teacher leads lesson and vocabulary. Students do practice independently. 25 min</p> <p>Problem Solving - A Model Train Model pp. 82-83. Students apply skills to solve the problems independently, check answers with a partner and discuss as teacher moves around room. 20 min</p> <p>Option: Administer the quizzes for Lessons 7 and 8.</p>	<p>Fluency Practice- Division Multiplication Practice 5 min</p> <p>Power Up <i>Sketching Graphs Using Verbal Descriptions</i> pp. 86-87. Teacher reviews graphing skills and students discuss and do. Ready to Go Teacher reviews lesson link and students complete Work Together. Students complete the Practice section on their own. 50 min</p> <p>Problem Solving - Summer Jobs pp. 92-93. Student complete in pairs. 20 min</p>	<p>Fluency Practice- Division Multiplication Practice 5 min</p> <p>Performance Task- Teacher choice from teacher Manual. Students complete work and present their results 40 min</p> <p>Support Coach Lesson 10 -Translations on a Coordinate Grid pp. 94-103. Plug In <i>Understanding Translations</i> pp. 94-95. Teacher leads the lesson and students complete practice. 30 min</p>

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Day 16	Day 17	Day 18	Day 19
<p>Fluency Practice- Division Multiplication Practice 5 min</p> <p>Power Up- <i>Translations and Congruence</i>. Teacher leads discussion and examples. Students complete Practice on their own pp. 96-97.</p> <p>Ready to Go pp. 98-101. Teacher leads review of lesson link. Students complete Practice on their own. 50 min</p> <p>Problem Solving - Furniture Arrangement pp.102-103. Problem solving with fractions. Students complete problems on their own but check answers with a partner. 20 min</p> <p>Option: Administer the quizzes for Lessons 9 and 10.</p>	<p>Fluency Practice- Division Multiplication Practice 5 min</p> <p>Support Coach Lesson 11 - Reflections on a Coordinate Grid pp. 104–113.</p> <p>Plug In <i>Understanding Reflections</i> pp. 104-105. Teacher leads the lesson and completes discuss and do with students.</p> <p>Power Up <i>Reflections and Congruence</i> pp.106-107. Teacher leads lesson and vocabulary.</p> <p>Ready to Go- pp. 98-99. Teacher leads the lesson review and students complete the Work Together and Practice sections. 70 min</p>	<p>Fluency Practice- Division & Multiplication Practice 5 min</p> <p>Support Coach Lesson 12 -Rotations on a Coordinate Grid pp. 114–123.</p> <p>Plug In pp. 114-115. Teacher leads the lesson and reviews vocabulary, discuss, and students complete Practice.</p> <p>Power Up <i>Rotations and Congruence</i> pp. 116-117. Students work in pairs to discuss and complete practice section. 50 min</p> <p>Problem Solving Mirror, Mirror pp. 112-113. 20 min</p>	<p>Fluency Practice- Division & Multiplication Practice 5 min</p> <p>Ready to Go- pp. 118-121. Students work with teacher to complete the practice section. 45 min</p> <p>Support Coach Lesson 13 - Dilations on Coordinate Grid pp. 124–133.</p> <p>Plug In Enlarging a Figure Using Dilations pp. 124-125. Teacher leads lesson and students complete Practice section. 25 min</p> <p>Option: Administer the quizzes for Lessons 11 and 12.</p>

Day 20	Day 21	Day 22	Additional Days
<p>Fluency Practice- Division & Multiplication Practice 5 min</p> <p>Power Up <i>Reducing a Figure Using Dilations</i> pp. 126-127. Teacher leads lesson with students and they discuss and do practice.</p> <p>Ready to Go- pp. 128-131. Students work together after lesson review and complete practice section on their own. 50 min</p> <p>Support Coach Lesson 14 -Similarity pp. 134-143.</p> <p>Plug In <i>Congruent Figures</i> pp. 134-135. Teacher leads lesson and students do practice. 20 min</p>	<p>Fluency Practice- Division & Multiplication Practice 5 min</p> <p>Power Up <i>Similar Figures</i> pp.136-137. Teacher reviews vocabulary and leads the lesson. Students complete the practice section.</p> <p>Ready to Go- Teacher reviews lesson link and students complete the work together section and practice. 50 min</p> <p>Problem Solving - Picture Perfect pp. 132-133. Students complete and share in groups with rest of class. 20 min</p> <p>Option: Administer the quizzes for Lessons 13 and 14.</p>	<p>Support Coach- Administer Assessment and reflect on learned skills in Summer Program. 75 min</p>	<p>We suggest if time permits that you focus on Lessons 15 and 16 as the next priorities in your curriculum</p> <p>OR</p> <p>Include more quizzes as formative assessments</p> <p>OR</p> <p>Work in more Performance Tasks.</p>