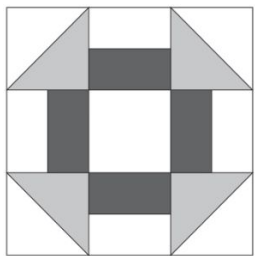


Please check out our [Family Resources](#) available through the Anoka-Hennepin website.

### 2019-2020 Anoka-Hennepin Second Grade Learning Activities for Math

- Place a check on the second grade activities completed and have the caregiver/parent sign the bottom of the form.
- Students, please return this sheet to your teacher **within 3 days** upon your return to school.
- Feel free to revisit previous activities or adjust the numbers in the activities, based on the needs of your child.

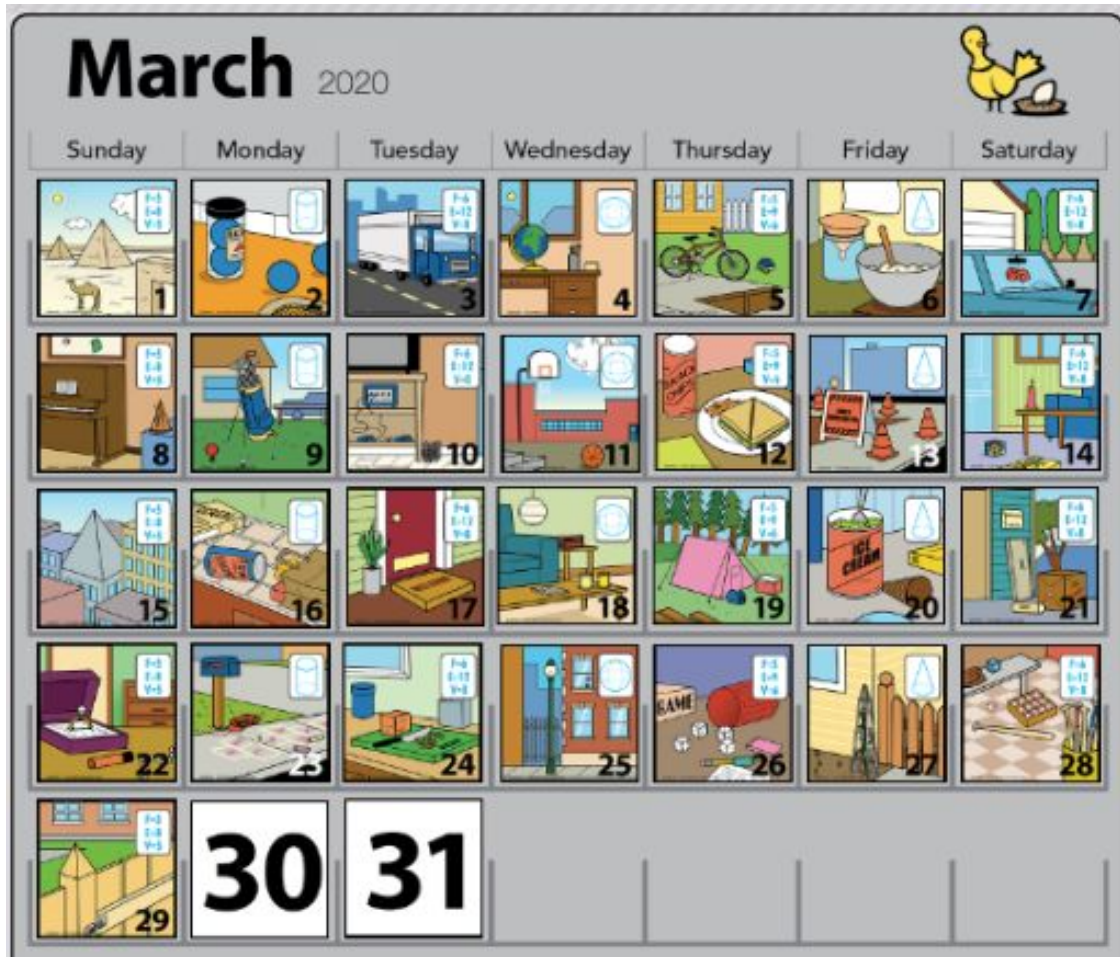
Week	Number Corner Related Activities	Problems and Investigations	Games, Apps And More	Math Related Literature
<p>March 30 - April 3</p> <p>Unit 6 Module 3</p> <p><a href="#">Unit 6 Family Overview - English</a></p> <p><a href="#">Unit 6 Family Overview - Spanish</a></p>	<p><b>Watch Them Grow!</b>            Option 1:            Materials - 2 plastic cups, potting soil, 2 kinds of quick growing seeds, 2 craft sticks to use as plant markers, paper and pencil</p> <p>Directions - Plant the seeds according to package directions. Water as directed. Predict when the seedlings will be visible above the soil line. Predict which plant will grow more quickly. Monitor the plants weekly. Record plant heights for 4 weeks.</p> <p>Option 2:            Materials - Find 2 plants growing outside that you and your child will be able to monitor on a weekly basis. Yes, it IS Minnesota, but if you look alongside your home, you may find some fun surprises - especially on the south side. You will also need paper and a pencil.</p> <p>Directions - Label each plant with the craft stick markers. Predict which plant will grow more quickly. Monitor the plants weekly. Record plant heights for 4 weeks.</p> <p>Number Corner Student Book pg 77</p>	<p>Read <b>A Cloak for the Dreamer</b> by Aileen Friedman.</p> <p>Youtube link for story:  <a href="https://youtu.be/22l3Wb680Ss">https://youtu.be/22l3Wb680Ss</a></p> <p>What shapes could be stitched together without leaving any gaps? Encourage your child to test out their ideas with the Pattern Shapes app.</p> <p>Using the <a href="#">Pattern Shapes app</a>, build a trapezoid using more than one pattern block. How many ways can you build a trapezoid? What shapes did you use to build them?</p> <p>Cover the templates found on the <a href="#">Pattern Shapes app</a> with pattern block shapes.</p> <p>Use the <a href="#">Pattern Shapes app</a> to construct the Churn Dash Quilt block below. It IS possible. Feel free to change the colors of the pattern shapes, as needed. What shapes did you use? Did you create different shapes? Write an equation to match how many shapes you used.</p> 	<p><b>Online Games</b>  <a href="#">Patch Tool</a>  <a href="#">Polygon Playground</a></p> <p><b>App</b>  <a href="#">Pattern Shapes App</a>            At the bottom of this app's page you'll find a K-2 downloadable lesson book you can use with the app.</p> <p><b>Home Connections</b>            Missing Numbers pgs 141-142            Halves, Bowls and Vans pgs 143-144            Half and Half pgs 145-146</p> <p><b>Commercial Games</b>            Checkers            Clue            Connect Four            Crazy Eights            Cribbage            Farkle            Jenga            Mancala            Monopoly            Quirkle            Sum Swamp            Shut the Box            Uno            Yahtzee</p>	<p><i>The books below may be found online. As you read the stories with your child, ask questions such as, "What shapes do you see?" "How do you know that's a square (rectangle, triangle, etc)? What patterns do you see?"</i></p> <p><b>Captain Invincible and the Space Shapes</b> by Stuart J. Murphy</p> <p><b>The Coin Counting Book</b> by Rozanne Lanczak Williams</p> <p><b>Arthur's Funny Money</b> by Lillian Hoban</p> <p><b>They Penny Pot</b> by Stuart J. Murphy</p> <p><b>The Josefina Story Quilt</b> by Elenor Coerr</p> <p><b>The Tortilla Quilt Story</b> by Jane Tenorio-Coscarelli</p> <p><b>Sam Johnson and the Blue Ribbon Quilt</b> by Lisa Campbell Ernst</p> <p><b>Sweet Clara and the Freedom Quilt</b> by Deborah Hopkinson</p>

Student Name \_\_\_\_\_

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Date \_\_\_\_\_

What do you notice about the March Calendar? What patterns do you see? What do you think the last 2 markers will be?




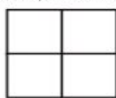




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## 2019-2020 Anoka-Hennepin Second Grade Learning Activities for Math

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Week	Number Corner Related Activities	Problems and Investigations	Games, Apps And More	Math Related Literature
<p>April 6 - April 9</p> <p>Unit 6 Module 4</p> <p><a href="#">Unit 6 Family Overview - English</a></p> <p><a href="#">Unit 6 Family Overview - Spanish</a></p>	<p><b>Shape Hunt</b> Materials - none Directions: Look for these shapes in your home and neighborhood": Sphere, cylinder, triangular prism, cube, rectangular prism, rectangular pyramid and cone</p> <p>Choose either a prism or a pyramid from your shape walk. How many faces, edges and vertices does your shape have? What faces are congruent (same shape and size)?</p> <p>This is a great activity to do more than once.</p> <p>Notes for Caregivers: Prism: a 3D shape that has 2 ends that are the same shape and size</p> <p>Pyramid: a 3D shape that has a polygon base and triangular sides that join at a point called an apex</p>	<p><b>The Sandwich Problem</b> Materials - Several paper squares (sticky notes can work), scissors Directions - Tell this story: <i>Triplets, Abby, Brisa and Cary asked their babysitter, Daniel, for peanut butter and jelly sandwiches. Each girl preferred their sandwich cut a certain way.</i></p> <p><small>Unit 6 Module 4   Session 4   Copy for display</small></p> <p><b>The Sandwich Problem</b></p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p><b>Abby</b></p>  <p><b>Abby</b> Cut mine in four parts the square way, first up and down, then across.</p>  </div> <div style="text-align: center;"> <p><b>Brisa</b></p>  <p><b>Brisa</b> Please cut mine in fourths going up and down, like stripes.</p>  </div> <div style="text-align: center;"> <p><b>Cary</b></p>  <p><b>Cary</b> I'd like mine cut in quarters the diagonal way.</p>  </div> </div> <p><i>None of the girls were happy. Both Brisa and Abby thought their fourths looked smaller than Cary's. Cary agreed. Daniel gave them some paper squares to fold and cut and check to see if the cuts were fair or not.</i></p> <p><i>What do YOU think? Were the cuts fair or not. Use the paper squares to find out. What would you say to the triplets?</i></p>	<p><b>Online Game</b> <a href="#">Patch Tool</a></p> <p><b>App</b> <a href="#">Pattern Shapes App</a></p> <p><b>Home Connections</b> Halves and Extra Facts pgs 147-148</p> <p>Exploring Symmetry pgs. 149-150</p> <p><b>Commercial Games</b> Checkers Clue Connect Four Crazy Eights Cribbage Farkle Jenga Mancala Monopoly Quirkle Sum Swamp Shut the Box Uno Yahtzee</p>	<p><i>The books below may be found online. As you read the stories with your child, ask questions such as, "What do you notice? What math do you see?"</i></p> <p><b>Jack's Garden</b> by Henry Cole</p> <p><b>My Garden</b> by Kevin Henkes</p> <p><b>Eating Fractions</b> by Bruce McMillan</p> <p><b>Apple Fractions</b> by Jerry Pallotta</p> <p><b>How a Seed Grows</b> by Helene Jordan</p> <p><b>From Seed to Plant</b> by Alan Fowler</p> <p><b>One Bean</b> by Anne Rockwell</p> <p><b>A Kangaroo Joey Grows Up</b> by Joan Hewitt</p> <p><b>For Good Measure</b> by Ken Robbins</p>

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## 2019-2020 Anoka-Hennepin Second Grade Learning Activities for Math

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Week	Number Corner Related Activities	Problems and Investigations	Games, Apps And More	Math Related Literature																																								
<p>April 13 - April 17</p> <p>Unit 7 Module 1</p> <p><a href="#">Unit 7 Family Overview - English</a></p> <p><a href="#">Unit 7 Family Overview - Spanish</a></p>	<p>Practice drawing 3D shapes.</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Shape</th> <th>Step 1</th> <th>Step 2</th> <th>Step 3</th> <th>Step 4</th> </tr> </thead> <tbody> <tr> <td>Cube</td> <td>Draw a square.</td> <td>Draw a dot in the middle of the square.</td> <td>Use the dot as one of the vertices for a second, congruent square. 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Ask the child to put the measurements in order from shortest to longest.</p> <p><i>What is the difference between the shortest and longest objects?</i></p> <p><i>Bridges Student Book pg 90</i> <i>Bridges Student Book pg 91</i></p> <p>Challenge - <i>What is the sum of all the measurements?</i> <i>What other math problems can you see with your data?</i></p>	<p><b>Online Game</b> <a href="#">Measure It!</a></p> <p><a href="#">Strolling with my Gnomies</a></p> <p><b>App</b> <a href="#">Number Line App</a></p> <p><b>Home Connections</b> Different Ways to Look at the Same Number pgs 151-152</p> <p>Ants and Hot Dogs pgs 153-154</p> <p>Subtraction and Measuring Practice pgs 155-156</p> <p><b>Commercial Games</b> Checkers Clue Connect Four Crazy Eights Cribbage Farkle Jenga Mancala Monopoly Quirkle Sum Swamp Shut the Box Uno Yahtzee</p>	<p><i>The books below may be found online. As you read the stories with your child, ask questions such as, "What do you notice? 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Student Name \_\_\_\_\_ Parent/Caregiver Signature \_\_\_\_\_

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## 2019-2020 Anoka-Hennepin Second Grade Choice Board for Math

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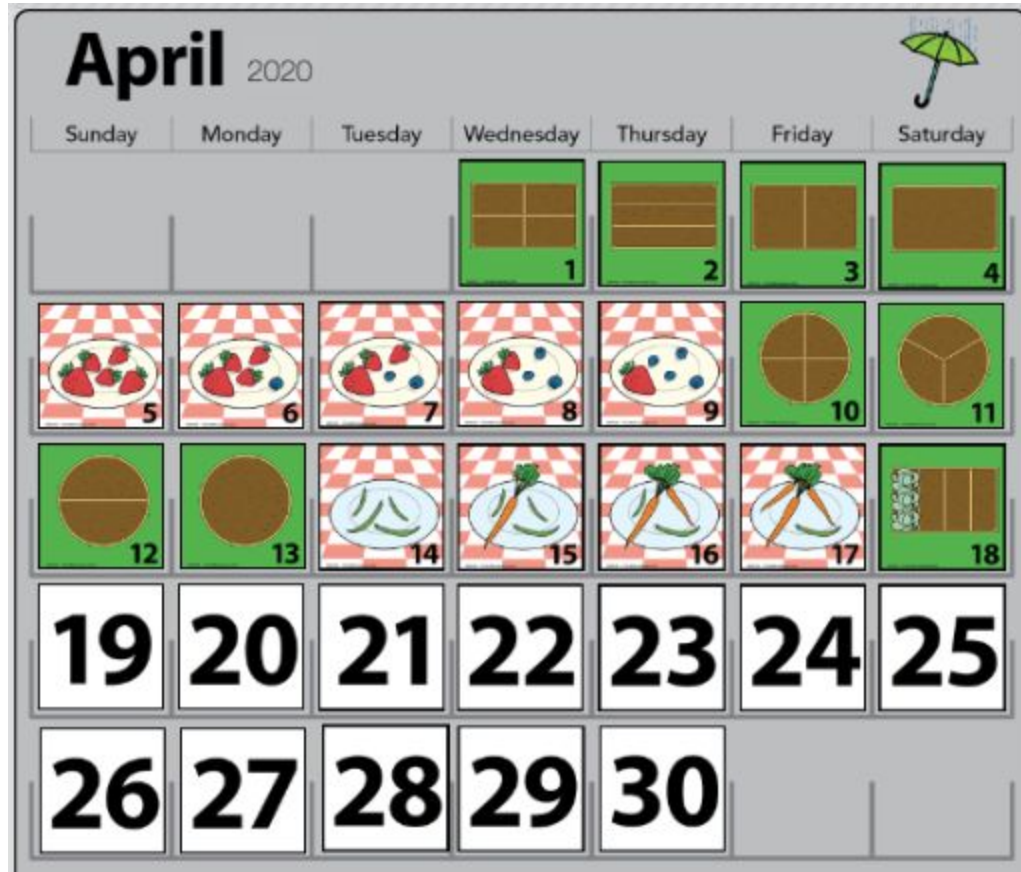
Week	Number Corner Related Activities	Problems and Investigations	Games, Apps And More	Math Related Literature
<p>April 20 - April 24</p> <p>Unit 7 Module 2</p> <p><a href="#">Unit 7 Family Overview - English</a></p> <p><a href="#">Unit 7 Family Overview - Spanish</a></p>	<p><b>Scout Them Out</b> Materials - Paper and pencil, optional counters (such as pennies, small erasers, pasta, buttons)</p> <p>Directions - Ask your child to tell you about fact strategies, such as Doubles, Make Ten, Add Nine. The link below illustrates the types of fact strategies your child has been learning.</p> <p><a href="#">Addition and Subtraction Strategies in Bridges</a></p> <p>What strategies are your child's favorites? Why? Encourage your child to practice strategies that are more challenging.</p> <p><i>Number Corner Student Book pg 80</i> <i>Number Corner Student Book pg 81</i> <i>Number Corner Student Book pg 82</i></p>	<p><b>One Hundred Hungry Ants</b> Materials - The book, <i>One Hundred Hungry Ants</i> by Elinor J. Pinczes (You may be to find this story or online. If not, you and your child will still be able to engage in this activity.), 120 small counters, such as pennies, buttons or small erasers</p> <p>Directions - Read or tell this story: <i>100 hungry ants are walking single file to a picnic. They want to get to the picnic as soon as possible. It is going to take a long time for the last ant to get to the picnic. The littlest ant suggests 2 lines of.....</i></p> <p>Have the child use the counters to find out how many ants would be in 2 lines, equal in number.</p> <p><i>It is still taking too long for the ants at the end of the lines to get to the picnic, The littlest ant suggests 4 lines of.....</i></p> <p>Have the child predict and use the counters to find out how many ants would be in 4 lines, equal in number.</p> <p><i>The army of ants is surprised by 20 more ant friends that join them. The army of 120 ants decides to go to a new picnic. How many ants will be in each line if there are 5 lines?</i></p> <p>Have the child predict and use the counters to find out how many ants would be in 5 lines, equal in length. Rather than using 120 objects, can your child think of a more efficient way to find out the new line numbers?</p> <p><i>Bridges Student Book pgs 92-93</i> <i>Bridges Student Book pgs 94-95</i></p>	<p><b>App</b> <a href="#">Fractions App</a></p> <p><b>Home Connections</b> More Ant Stories pgs 157-158</p> <p>Fraction Races and More pgs 159-160</p> <p><b>Commercial Games</b> Checkers Clue Connect Four Crazy Eights Cribbage Farkle Jenga Mancala Monopoly Quirkle Sum Swamp Shut the Box Uno Yahtzee</p>	<p><i>The books below may be found online. As you read the stories with your child, ask questions such as, "What do you notice? What math do you see?"</i></p> <p><b>Jack's Garden</b> by Henry Cole</p> <p><b>My Garden</b> by Kevin Henkes</p> <p><b>Eating Fractions</b> by Bruce McMillan</p> <p><b>Apple Fractions</b> by Jerry Pallotta</p> <p><b>How a Seed Grows</b> by Helene Jordan</p> <p><b>From Seed to Plant</b> by Alan Fowler</p> <p><b>One Bean</b> by Anne Rockwell</p> <p><b>A Kangaroo Joey Grows Up</b> by Joan Hewitt</p> <p><b>For Good Measure</b> by Ken Robbins</p>

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What do you notice about the April Calendar Grid? What patterns do you see? What shape would you expect for Marker 19? How are Markers 1, 110 and 18 alike? How are they different? What do you predict will be on the next markers?



Student Name \_\_\_\_\_ Parent/Caregiver Signature \_\_\_\_\_

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