



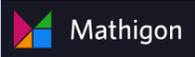
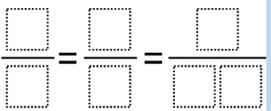
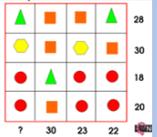
# Grades 4-5 Winter Challenge 2022-2023

Are you up for this Winter Challenge? We have confidence that you are!

Complete as many learning activities as you can over the winter break.

Ask an adult to initial each box once completed. Then return Winter Challenge Choice Board and evidence to your teacher.

## Choice Board: Complete as many as you can! 😊

<p><b>ELA:</b> Think about a theme you have learned from a book this year that best represents <i>your life</i>. Design a bumper sticker or collage that “shows off” this theme in a fun way. Hang it somewhere visible in your home to inspire you.</p>	<p><b>MATH:</b> Play Factris for 30 minutes on 2 different days of your break and record your points below.</p>  <p>1 _____ 2 _____ <a href="https://mathigon.org/factris">https://mathigon.org/factris</a></p>	<p><b>Science:</b> Design and build a Paper Airplane Launcher. See directions here: <a href="#">Paper Airplane Launcher</a> Observe your airplane in motion. Explore more with different airplane designs.</p>	<p><b>MATH:</b> <b>Complete</b> at least 5 <b>DREAMBOX</b> or <b>iReady lessons</b>. (Depending on what your school uses). Check them off as you go.</p> <p>1 ___ 2 ___ 3 ___ 4 ___ 5 ___</p>	<p><b>ELA:</b> Write a review that supports a claim for your favorite book, movie, informational text, game, or restaurant. You might include: *How many stars you would rate it *Thumbs up or down, and why *Recommendations</p>
<p><b>MATH:</b> How many squares can you draw with their vertices on a 5 by 5 grid?</p> 	<p><b>Science:</b> Play this fun and challenging Quizizz Game review 4<sup>th</sup> grade Earth Science: <a href="#">4<sup>th</sup> Grade Earth Science Review</a> Can you get the highest score?</p>	<p><b>ELA:</b> Think about something you want to teach someone to <i>make</i> or <i>do</i>. Consider the following to help your reader/audience:</p> <ul style="list-style-type: none"> <li>• Materials</li> <li>• Steps</li> <li>• Images</li> <li>• Helpful tips</li> </ul> <p>Ask someone to read (or watch) and DO your “how-to!” You can access <a href="https://flip.com/">https://flip.com/</a> to record yourself through Clever!</p>	<p><b>Social Studies:</b> American History Snapshot! Interact with this <a href="#">Kid Citizen</a> episode to learn about primary sources.</p>	<p><b>Science:</b> <a href="#">Watch the Generation Genius Video: Weather vs. Climate</a>  Observe the weather at your location for a week and record observations.</p>
<p><b>ELA:</b> Log-on to <b>Istation</b> or <b>myON</b> for 20 minutes for 1-2 days this week.  OR  Read/listen to a book for 20 minutes at least twice this week.</p>	<p><b>Social Studies:</b> Where is it? Choose a game in <a href="#">Matching: Countries</a> from National Geographic Kids to learn about other places in our world! (Click on the pyramid to get started)</p>		<p><b>ELA:</b> Play a game &amp; then create a primary source/firsthand account. Retell your experience playing the game from your perspective—give your audience the “play by play” of what happened and how it ended. OR Retell the experience from your opponent’s perspective.</p>	<p><b>MATH:</b> <b>Open Middle Task</b> Use the digits 1 to 9, at most one time each, to make three equivalent fractions.</p> 
<p><b>Social Studies:</b> Play like a colonial kid! Kids in colonial times played most of their games outdoors with few materials. Watch this <a href="#">video</a> and create a hopscotch board to play like a colonial kid!</p>	<p><b>MATH:</b> Each symbol has a numerical value. The total for the symbols is written at the end of each row and column. What number is missing?</p> 	<p><b>Science:</b> Did you know that you can create a working instrument with two craft sticks, a straw and two small rubber bands? You can! Create a harmonica and notice the sounds and vibrations. See directions here <a href="#">Tune Time!</a></p>	<p><b>Math:</b> <b>Play <a href="#">Clear the Board</a></b> Number your paper 1-12. Write an equation that equals each of the numbers on your board. Use only these numbers in your equation: 3, 6, and 8 <b>Example:</b> 11= 6+8-3 Record this on the back.</p>	<p><b>Science:</b> Identify and discuss with a friend if the following are physical or chemical changes: break an egg—tear paper—cook an egg—light a match—bake a cake—freeze water—melt wax from candle—iron rusting—digest food—boil water. <b>BONUS!</b> Help an adult cook a meal. Identify and discuss the physical and chemical changes you observe.</p>
<p><b>ELA:</b> Write an adventure story similar to <i>Gregor the Overlander</i> or <i>City of Ember</i>. Take your fictional characters through a portal into an imagined world. Develop (and maybe even sketch) your characters, settings, and plot before you begin writing.</p>	<p><b>Science:</b> Create a model of the water cycle using a bottle. See directions here: <a href="#">Water Cycle in a Bottle</a> Observe your bottle every day and share your observations with a friend or family member.</p>	<p><b>ELA:</b> Read a book and create a comic strip or graphic novel page recreating your favorite scene in the story.</p>	<p><b>Social Studies:</b> Practice your timeline skills to reflect for the new year! Create 3 sentences where you consider how you <i>were</i>, how you <i>are</i>, and how you <i>want to be</i>. Follow this pattern: 1. “In the past, I was...” 2. “Today I am...” 3. “In the future, I want to be...”</p>	<p><b>MATH: Open Middle Task</b> Using the digits 1 to 9, <u>at most one time each</u>, create a rectangle with an area as close to 500 and a perimeter as close to 100 as possible.</p> 

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