

# Puzzle Talks Walkthrough



Use this document to monitor your implementation of Puzzle Talks in the classroom. It also serves as a supporting document for teachers as they plan to integrate Puzzle Talks into the classroom. The document is divided into three sections: (1) Learning Environment, (2) Student/Teacher Interactions, and (3) Accountability. Look Fors provide a quick checklist to support a successful implementation. Included in this document are suggested strategies for using the Puzzle Talk lessons, resources, & related materials to support implementation.

Learning Environment		
Look-Fors	Strategies	Notes
<ul style="list-style-type: none"> <li>○ Math tools/resources readily available</li> <li>○ Teacher monitors students during discussion</li> <li>○ Use of strategies to keep students engaged</li> <li>○ Students lead the discussion</li> <li>○ Students work in whole &amp; small groups (2+)</li> </ul>	<ul style="list-style-type: none"> <li>● Prepare relevant resources (game mats, math mats, puzzle extensions, etc.) and manipulatives prior to delivering the Puzzle Talk.</li> <li>● Review the look-fors and misconceptions identified on the Puzzle Talk lesson guide to anticipate questions you may want to ask.</li> <li>● Provide opportunities for students to share their ideas.</li> <li>● Take opportunities to explore student ideas (correct/incorrect) that will further math understanding.</li> </ul>	
Student/Teacher Interactions		
Look-Fors	Strategies	Notes
<ul style="list-style-type: none"> <li>○ Student-to-student discourse</li> <li>○ Student-to-teacher discourse</li> <li>○ Various students sharing strategies</li> <li>○ Teacher facilitates student thinking</li> <li>○ Math connections are being made</li> <li>○ Testing different strategies and analyzing feedback</li> </ul>	<ul style="list-style-type: none"> <li>● Encourage students to share their ideas, and check and challenge each other during student to student conversations.</li> <li>● Use the process in the Puzzle Talk Teacher Guide to support the facilitation of student conversations.</li> <li>● Connect the math in the puzzles to classroom lessons.</li> <li>● Use strategies like pair share, round-robin, voting, revoicing, etc. to keep all students engaged in the discussion.</li> </ul>	

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## Accountability

Look-Fors	Strategies	Notes
<ul style="list-style-type: none"><li>○ Students are thinking &amp; problem-solving</li><li>○ Students examine &amp; discuss mistakes in whole group or small group</li><li>○ Students revisit/refine solutions</li><li>○ Students are engaged in activities that extend thinking</li></ul>	<ul style="list-style-type: none"><li>● Purposefully plan questions that require the students to think and problem solve. Use the Puzzle Talks Teacher Guide for sample questions and facilitation support.</li><li>● Respond to student questions with another question that promotes their thinking.</li><li>● Engage students in discussions around mistakes and incorrect strategies to further student learning.</li><li>● When examining the feedback, focus on what happened and how that relates to the strategies students used. Did what they think would happen, happen? How will they refine their strategy?</li><li>● Use the extension activities to give students an opportunity to apply what they learned and make connections.</li></ul>	