

|  | problem?", allowing students to supplement the learning of their fellow students. The teacher will then go over where the mistake occurred and how to avoid this mistake in the future. |  |
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| 10 | Explain: (concepts, procedures, vocabulary, etc.) <br> We will go over what the Pythagorean Theorem is as a class, asking <br> 1) What is the equation of the Pythagorean Theorem? $a^{2}+b^{2}=c^{2}$ <br> 2)What does the Pythagorean Theorem tell us about? It shows us the relationship between the side lengths of a right triangle. <br> 3) How could we use this is real life? Architecture, Construction, Navigation, Surveying, and more! |  |
| 20 | Explore: (independent, concreate practice/application with relevant learning task -connections from content to real-life experiences, reflective questions- probing or clarifying questions) <br> The students will take out a pencil, calculator, graph paper or loose-leaf paper, and their Chromebook. The students will log onto our Google Classroom Page and clink on this link: <br> https://prairiepublic.pbslearningmedia.org/resource/mket-math-g-mmystery3/mmysterythree/ <br> We will explain the directions and work through the first exercise together as a class, then allow the students to work independently or with a partner on the Maritime Mysteries Activity. |  |
| 3 | Review (wrap up and transition to next activity): <br> The students will clean up their area and pack up the materials in preparation to move to the next class. |  |
| Formative Assessment: (linked to objectives) <br> Progress monitoring throughout lesson- clarifying questions, check- in strategies, etc. <br> Walk around the classroom to monitor students' progress on the "My Favorite No" activity and on the Maritime Mysteries activity, providing additional instruction and help when needed throughout class. <br> Consideration for Back-up Plan: <br> Prepare additional problems involving graphing, the Pythagorean Theorem, and right triangles to supplement and/or extend instruction if necessary. |  | Summative Assessment (linked back to objectives) <br> End of lesson: <br> Student will showcase their skill throughout the graphing and calculations from Maritime Mysteries, showing their comprehension of the Pythagorean Theorem and its uses. <br> If applicable- overall unit, chapter, concept, etc.: <br> The students will take a summative assessment on the standard to ensure their academic progress with this content. |
| Reflection (What went well? What did the students learn? How do you know? What changes would you make?): <br> The students LOVED this activity. Although they needed additional promptings with a few different phrases on the game, the students were very engaged and happy to be doing math that is more applicable to life. |  |  |

