

## New Mexico Instructional Scope Similarity, Right Triangles, and Trigonometry Guide

		<ul> <li>Craft tools (scissors, string, construction paper, etc.)</li> <li>Paper folding</li> </ul>
Re-Teach		
Level of Intensity	Essential Question	Examples
Targeted	What formative assessment data (e.g., tasks, exit tickets, observations) will help identify content needing to be revisited during a unit?	For example, students may benefit from re-engaging with content during a unit on solving problems involving right triangles by clarifying mathematical ideas and/or concepts through a short mini-lesson because polygons other than triangles are not necessarily similar if each pair of corresponding angles is congruent. For example, all rectangles have congruent corresponding angles, but the corresponding sides of all rectangles do not have the same ratio.
Intensive	What assessment data will help identify content needing to be revisited for intensive interventions?	For example, some students may benefit from intensive extra time during and after a unit on solving problems involving right triangles by offering opportunities to understand and explore different strategies because by investigating patterns of association in bivariate data students can use scatter plots and linear models.
Extension		
Essential Question		Examples
What type of extension will offer additional challenges to 'broaden' your student's knowledge of the mathematics developed within your HQIM?		For example, some learners may benefit from an extension such as open-ended tasks linking multiple disciplines when studying to define trigonometric ratios because students can make connections between engineering practices such as building electronics such as TVs. Understanding how trigonometric ratios an intricate part of the development of tv screens and will create a real-life extension for students.