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Searching for an effective way to teach your students similar triangles? These NO PREP guided notes are a classroom proven resource that will save you time and have your students proficient in similar triangles in no time! With a comprehensive design, these notes offer a structured approach that can be differentiated for every level of learner. Guided notes are an effective teaching model that maximize your students ability to use working memory to focus on content, rather than copying down notes. This resource is structured to include warm ups that build on prerequisite knowledge, in depth notes to fully teach similar triangles, vocabulary sheets to build on key concepts, and exit slips to ensure understanding. This note set also includes notes and practice printables formatted for interactive notebooks. Covers: 8.G.A.3, 8.G.A.4, 8.G.A.5 Here is everything that is included:- Guided Notes including a separate printable formatted for Interactive Notebooks- Practice Page including a separate printable formatted for Interactive Notebooks- Frayer Models for Vocabulary Practice- 2 different warm-ups (2 per page)- 2 different exit slips (2 per page)- 1 Assessment to benchmark understanding- Answer keys Here's what you will love the most - this note set is NO PREP! All answer keys are included and no additional materials are needed. You'll also find that you'll have more time to work through the concepts with your students as they will spend less time copying notes and more time mastering the content. The notes will also call their attention to key concepts that they should commit to memory. Here are some guidelines for how to use this set: This resource can be successfully implemented using binders, folders or notebooks Warm Up Slips can be used at the beginning of the lesson to activate prior knowledge or you can use them to guide students through a new discovery. Vocabulary Practice - use these to establish foundation concepts at the outset of the lesson or as reinforcement after the notes portion Guided Notes - these sets are a comprehensive presentation of the subject matter, and progressively build from basic concepts to complete mastery. Students will follow along through a structured framework and retain the notes for reference and review. Independent Practice Problems - use these to reinforce understanding and provide a chance for your students to build skills and confidence Exit Slips - can be used to allow students to demonstrate mastery of the subject matter at the close of a lesson and prepare for future topics Assessment - use this to benchmark your students comprehension and supplement if necessary Here's what other teachers are saying about this resource: Jennifer Y. says "Engaging activity." Erin S. says "Very easy to use" This resource is part of these popular money-saving bundles: Geometry Bundle 8th Grade Guided Notes 8th Grade Math Curriculum Additionally, these resources can help reinforce your students understanding of key concepts throughout the year: Full Year Homework 8th Grade Math Worksheets 8th Grade Digital Worksheet Bundle Error Analysis Guided notes are the foundation of my classroom. Here's why: Guided notes keep all students actively engaged in class. Students follow along and fill in missing words and numbers and answer questions. They allow students to focus on problem solving rather than using their working memory to write down everything they hear the teacher say. Students create their own reference guide to help them remember and internalize what they learned in class. They can easily refer back to what they learned in previous classes to help them with spiral review, homework, studying for assessments and most importantly building on prior knowledge to learn new concepts. It helps students organize information and understand what is important. Middle school students are often new to the expectation of notetaking and guided notes are a perfect way to introduce this practice and perfect a lifelong skill. The blanks can be used as cues to help students decipher what is expected of them- they can tell if a longer definition should be recorded or a smaller blank means they should write an important vocabulary word or number. They relieve the stress that many students feel when expected to accurately copy diagrams, figures and equations off the board. Having them right on their notes page allows them to focus on problem solving and less about accurately copying complex notes off the board. Guided notes are especially beneficial for students with special education needs and English Language Learners and can easily be adapted to accommodate specific needs. Copyright © To The Square Inch LLC All rights reserved by the author. Permission to copy for single classroom use only. If you're seeing this message, it means we're having trouble loading external resources on our website. If you're behind a web filter, please make sure that the domains \*.kastatic.org and \*.kasandbox.org are unblocked. Do your students need practice determining if two triangles are similar? Students determine if two triangles are similar and explain how they know in this worksheet! \*\* SAVE 20% when you purchase the Complete Pack or SAVE 50% when you purchase the Year-Long Bundle! \*\* INCLUDED:- Reviews the Fundamental Theorem of Similarity (FTS) and the AA Criterion for similar triangles- Prompts students to determine if statements about similarity, FTS, and the AA criterion are true or false- Students determine if two triangles are similar and explain how they know POSSIBLE USES: End-of-topic cumulative review guide Extra practice for struggling students Homework Guided notes Test prep Bellringer or warm ups (2 Student Pages; 2 Teacher Pages) \*\*\*\*\* YOU MIGHT ALSO BE INTERESTED IN: FOLLOW ME! Follow my store to receive email updates on new items, product launches, and sales! I'd really appreciate you rating the item after downloading! TERMS OF USE: Purchase of this product entitles the purchaser the right to reproduce the pages in limited quantities for single classroom use only. Resources may only be posted online if they are behind a password protected site. © Taylor's Math Materials, 2018-present Presentations Worksheets Activities Teacher-Led Activities Exam Questions Live worksheets > English Finish! Please allow access to the microphone Look at the top of your web browser. If you see a message asking for permission to access the microphone, please allow. Close Related Topics: More Lessons for Grade 8 Math Math Worksheets Examples, videos, worksheets, stories, and solutions to help Grade 8 students learn about similar triangles. Corresponding Parts of Triangles If two triangles are similar, then the ratio of corresponding sides is equal to the ratio of the angle bisectors, altitudes, and medians of the two triangles. To find a missing angle bisector, altitude, or median, use the ratio of corresponding sides and the Triangle Bisector Theorem. Learn about similar triangles Similar Triangles Students learn that similar polygons have the same shape, and if two polygons are similar, then the corresponding angles are congruent, and the corresponding sides are in proportion. Students also learn that the scale factor is ratio of the lengths of two corresponding sides. Students are then asked to use these concepts to find missing angle measures and missing side lengths in similar figures. Show Step-by-step Solutions Introduction to similar triangles Try the free Mathway calculator and problem solver below to practice various math topics. Try the given examples, or type in your own problem and check your answer with the step-by-step explanations. We welcome your feedback, comments and questions about this site or page. Please submit your feedback or enquiries via our Feedback page. Check for Similar Triangles Each 8th grade worksheet of this compilation comprises eight triangle pairs with indicated side lengths. Determine whether the triangles are similar by checking if their corresponding sides are proportional and label them. Scale Factor of Similar Triangles Determine the scale factor by finding the corresponding sides and writing their ratio. Find the scale factor of the bigger to the smaller triangle or vice versa in Part A and in Part B find both the scale factors. Find the Sides of the Triangles using the Scale Factor Offered in this set of pdf worksheets are the scale factors and side lengths of one of the similar triangles. Equate the ratio of the sides with the corresponding scale factors to determine the side lengths of the triangles. Write the Similarity Statement | Level 1 Compare the similar triangles and complete the similarity statements, using the SSS criterion. Identify the proportional pairs of sides and rearrange the vertices based on the triangle given in the statement. Write the Similarity Statement | Level 2 Bolster skills in writing the similarity statement with these printable worksheets. Figure out the proportional sides of the rotated similar triangles using the scale factor and name the triangles accordingly. Similar Triangles | SSS, SAS and AA | Type 1 Observe the triangle pairs and based on the proportionality of their sides and congruence of their angles, identify the similarity postulates SSS, SAS, or AA and complete the similarity statements. Similar Triangles | SSS, SAS and AA | Type 2 The triangles in this batch of similarity worksheets are either overlapped or combined. Decompose the triangles and identify the similarity criterion to complete the similarity statement in this array of high school worksheets. Similar Triangles | Find the Sides | Type 1 Form an equation using the SSS criterion. Equate the ratios of two proportional pairs of sides in Part A and three proportional pairs of sides in Part B to find the missing lengths and sum up the side lengths to find the perimeter in Part C. Similar Triangles | Find the Sides | Type 2 Level up with this bundle of worksheets featuring overlapping similar triangles. Analyze the flips and rotations, decompose the triangles and find their scale factor to figure out the indicated length(s). Algebra in Similar Triangles | Solve for 'x' | Type 2 The similar triangles in this set of printable PDFs have common sides and vertices and involve side lengths presented as linear equations. Equate the ratios of the corresponding sides of the two triangles and simplify the equation to solve for 'x'. Right Triangle Similarity Conceptualize the right triangle similarity theorem with this collection of high school similar triangles worksheets. Write the similarity ratio of the right triangles using the known values to find the indicated length(s).



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