

Similar Triangles Answers Key

So, the triangles ABC and ADE are similar triangles. In similar triangles, the ratio of the corresponding sides are equal. Then, we have. $AB / AD = BC / DE$ ----(1) Find the length of AD : $AD = AB + BD$. $AD = 6 + 12$. $AD = 18$. Plug $AB = 6$, $AD = 18$, $BC = 0.9$ and $DE = h$ in (1).

$$(1)----> 6 / 18 = 0.9 / h$$

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This Similar Triangles Sorting Activity will help students practice proving whether two triangles are congruent by Side-Side-Side Similarity (SSS~), Side-Angle-Side

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Similarity (SAS~), and Angle-Angle Similarity (AA~). Students will cut and mark 12 pairs of triangles, sort them into the correct column

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 x ? 4 70 S R T 8 18) 21 30 E F D 77 11 $x + 11$ A C B 9
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Example 3.

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similarity statements.

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