## Chapter 4: Congruent Triangles

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## Lesson 4.1 Congruent Figures

You are working on a puzzle. You've almost finished, except for a few pieces of the sky. Place the remaining pieces in the puzzle. How did you figure out where to place the pieces?



Ex. If HIJK $\cong L M N O$, what are the congruent corresponding parts.?


2 If triangle WYS is congruent to triangle MKV, name one congruency.

The wings of an SR-71 Blackbird aircraft suggest congruent triangles. What is $m<D$ ?


Ex. Are the triangles congruent? Justify your answer.


3 Suppose that triangle WYS is congruent to triangle MKV. If $m<W=62$ and $m<Y=35$, what is $m<V$ ?

4 Is triangle $A B D$ congruent to triangle $C B D$ ?
Yes
No



