

SEGMENT PROOFS

Peel & Stick Activity!

Objective: To practice completing angle proofs. Reasons included: definition of congruence, definition of midpoint, definition of bisector, segment addition postulate, addition property of equality, subtraction property of equality, multiplication property of equality, division property of equality, simplify, substitution property, and transitive property. **There are 8 proofs total.**

Directions:

- 1) Print the proofs (pages 3-6 in this document). I like to print the proofs on colored paper.
- 2) Print the Labels file. ***I use white Avery 8167 Return Labels in white.**
- 3) Give each student the proofs and labels. They identify the missing reasons and stick them on their paper. An answer key is provided to check the answers.

Other Suggestions:

- If you do not want to use return labels, you can have students cut and paste the reasons. Or, place in a sheet protector and have students write the reasons using a dry erase marker.
- You can cut the proofs sheets in half and use them as entrance/exit tickets and have students write in the missing reasons.
- I also included a version that is completely blank (missing all statements and reasons) if you'd like to have your students do the proofs completely on their own. They would not use labels for this option. The blank proofs are located on pages 7-10 of this document.

The collage shows eight proof sheets, each with a unique geometric problem. Each sheet includes a 'Given' section, a diagram, and a table with 'Statements' and 'Reasons' columns. The problems involve midpoints, bisectors, and segment addition.

This block shows a yellow proof sheet (numbered 4) with a diagram and a table of statements and reasons. To the right is a vertical strip of white labels with reasons like 'Defn. of Midpoint', 'Simplify', 'Substitution', etc.