

Valley County Challenge
Word Problem of the Week



P-01: Three Farms Problem

According to the 2017 Census of Agriculture, Valley County had 188 farms totaling 50,959 acres. The Smith, Harris, and Washington farms together have 7,500 acres. The Smith farm is twice as large as the Harris farm. The Washington farm is one-fourth the size of the Smith and Harris farms combined. How large is each farm, and what percentage of the total farm acreage in Valley County do these three farms represent?

Remember: Make this a family activity. Work together as a team, teach and learn from each other, and try to have some fun puzzling out the answers!

Solution Requirements:

1. Draw it – show the problem as a picture or diagram
2. Rewrite it – describe the problem in a different way by extracting the critical information
3. Solve it – take an organized approach to try to solve the problem

For more information:

- Rich Stowell, Rich@RichStowell.com
- Word Problems Webpage, <https://4HWordProblems.weebly.com>
- Valley County 4-H Facebook page, <https://www.facebook.com/valleycounty4h/>