

## Blacksmith for a Day – Example Scenarios

1. The apple orchard in town is in need of a new cart. The current cart at this orchard has a bad wheel and the employees can no longer pull it to each of the trees. The employees would like a new cart that can carry many apples, but is not too big for someone to pull by hand.
2. Your family grows a variety of vegetables in the garden that are sold at the local farmer's market. Your father would like a new shelf for the farmer's market that can display corn, tomatoes, peas, and squash. Can you build a sturdy shelf that can hold and display all of these vegetables for customers?
3. The local cattle farmer has a water trough that he uses in his pasture. It has a hole in it and can no longer hold any water. Can you produce a new steel water trough for him that many cows can drink out of at the same time?
4. A nesting box is where hens lay eggs. A local farmer in your community raises chickens and sells eggs to community members. His current nesting boxes are old and he is in need of a new place for his hens to lay eggs. Only one hen should be able to fit in each nesting box. He would like 3 new nesting boxes for his hens.