

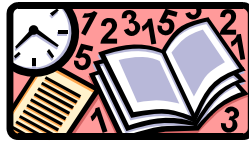
MATH FOR YOUNG FARMERS & RANCHERS



For Grades 3-5

The following activities are designed to give you ideas to use with your class before and after your visit to The Santa Cruz County Fair. The activities can be integrated into your curriculum, used as mini-lessons, or incorporated into a unit if it works with what you are teaching.

MATHEMATICS



PRE/POST-FAIR

1. Make up situational, thought-provoking problems centered around agriculture and the Santa Cruz County Fair. Here are a few examples to get you started:
 - A cow drinks 11 gallons of water each day. How many gallons would it drink in five days?
 - One dozen eggs cost \$2.59 in the store. The chicken farmer receives \$0.43 a dozen. How much per dozen does the store receive?
 - A farmer owns 168 acres of almonds. The crop yield per year is 2,000 pounds per acre. What is the total tonnage of the crop for the year?
 - A rancher must fertilize the permanent pasture. It takes 250 pounds of fertilizer per acre. How many pounds of fertilizer will be needed for 80 acres?
 - One ton of alfalfa hay costs \$140.00. The rancher needs 70 tons for his cattle. What will the cost be for the 70 tons?
 - A cow will eat 30 pounds of hay each day. How many pounds will the cow consume in the month of June?
 - If it costs \$10.00 for adults to get into the Santa Cruz County Fair, and \$4.00 for children, how much will it cost for 2 adults and 3 children?