

**Area**—Career, Family and Community Connections

**Scenario**—Calculating Paper Size and Cost

### **Standards**

SD FACS Standards

FCS 1.2.3

Apply communication skills in community and workplace settings

SD Mathematics Standards

Math 8.M.1.1

Students are able to apply proportional reasoning to solve measurement problems with rational number measurements.

Math 8.N.2.1

Students are able to read, write, and compute within any subset of rational numbers.

### **What will you do?**

You will react to the given scenario on purchasing paper for a project manual.

### **What is the scenario?**

You are entering the FCCLA Chapter Service Manual STAR Event. You need to purchase 12 white pages and 4 colored pages for your manual. Each of your pages needs to be  $12\frac{3}{4}$ " by 14". You contact the local printing company and find out that your pages will need to be cut from "parent" size sheets that are  $25\frac{1}{2}$  inches by  $30\frac{1}{2}$  inches. The cost is \$.58 per page. Complete the worksheet to determine how many sheets you will need of each the white and colored paper. Also, compute how much the cost will be if sales tax is 6%.

### **How will you do this?**

You will study the scenario given.

You will calculate how many of your pages could be cut from each "parent" sheet.

You will submit a financial request to your FCCLA Chapter for the cost of the paper.

### **How will you be evaluated?**

Accuracy of calculations on worksheet

### **Supplemental Materials**

FCCLA STAR Events Manual

Calculations Worksheet (included)

### **Resources**

Teachnet.com

Adapted from <http://www.teachnet.com/lesson/math/realworld/divisionprinter.html>