



# **BUSINESS MATHEMATICS**

## Event Specifications

<b>FRESNO CITY COLLEGE EVENT CONTACT</b> For any specific event questions, please contact:	
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### **SCOPE OF CONTEST**

The contestant will take a retail math skills test utilizing a calculator. Emphasis will be on practical math. (60 minutes will be allowed to complete the test)

### **NUMBER OF COMPETITORS**

Individual event, limited to 28 competitors.

Fresno ROP reserves the right to modify enrollment due to limited spaces available.

### **RULES AND PROCEDURES**

The retail math skills test may include the following:

1. Solve problems involving addition, subtraction, multiplication and division.
2. Interpret charts and graphs
3. Calculate cash discounts, quantity discounts and trade discounts
4. Interpret profit and loss statements
5. Calculate retail sales, gross margin and break-even points
6. Solve first-degree algebraic equations
7. Determine final cost of product to company
8. Calculate stock turnover and average markups
9. Calculator skills

### **JUDGING CRITERIA**

Contestants will be judged on accuracy of the retail math skills test. **The test will be taken on the computer.**

## **EQUIPMENT AND MATERIALS**

1. Supplied by the Career Skills Challenge:
  - a. All testing materials
  - b. Calculator
  - c. Scratch paper
  - d. The test will be taken on the computer.