



## NCTM Standard 7: Computation and Estimation (5-8)

In grades 5-8, the mathematics curriculum should develop the concepts underlying computation and estimation in various contexts so that students can:

◆ Select and use an appropriate method for computing from among mental arithmetic, paper-and-pencil, calculator, and computer methods

### **Related Benchmarks:**

#### **12B Computation and Estimation (3-5)**

Read and follow step-by-step instructions in a calculator or computer manual when learning new procedures.

#### **12C Manipulation and Observation (3-5)**

Use calculators to determine area and volume from linear dimensions, aggregate amounts of area, volume, weight, time, and cost, and find the difference between two quantities of anything.

#### **12B Computation and Estimation (6-8)**

Insert instructions into computer spreadsheet cells to program arithmetic calculations.

#### **12B Computation and Estimation (6-8)**

Decide what degree of precision is adequate and round off the result of calculator operations to enough significant figures to reasonably reflect those of the inputs.