



## SUMMARY REPORT

**Resource Name:** Calculation Skills Series, Addition and Subtraction Volume 1 and 3, Multiplication and Division Volume 2 and 4

**Discipline:** Mathematics

**Grade Level:** 2 -12

**Producer:** Core Learning

### Curriculum Correlation

*Calculation Skills* Series supports mathematics curriculum associated with recall and consolidation of addition, subtraction, multiplication, and division number facts and simple mental arithmetic operations and computations.

### Bias

The resource reflects an awareness and sensitivity to areas of bias.

### Content

*Calculation Skills* Series, a software program, provides a database of timed, simple, arithmetic, calculation questions. In Volume 1, Addition and Subtraction - Basic Level, students predominantly answer one-digit by one-digit addition and subtraction questions along with making change from \$1.00. Volume 3, the Advanced Level, includes double-digit by double-digit addition and subtraction along with making change up to \$20.00. Volume 2, Multiplication and Division - Basic Level, focuses on multiples between 2 and 10, factors between 2 and 5, multiplication pairs between 2 and 10, and single digit division from 2 to 9 with answers between 1 and 9. Volume 4, the Advanced Level, includes multiples to 15, factors from 2 to 5 with answers between 1 and 25, multiplying numbers between 11 and 15 and dividing numbers by 1 to 15.

### Methodology

Each volume of this software program provides a text section that outlines for students specific mental calculation techniques. Although the text provides appropriate strategies, the density of text may limit its usefulness for independent learning. Student learning is largely focused on repetitive practice of simple mental computations and recall of number facts. Students complete the exercises at their own pace and are encouraged to set goals to improve scores and/or times.

### Assessment

The "Helper" section of this software allows for tracking progress and accessing the results (score, questions correct/incorrect and time) of the last five exercises completed. Once each exercise is completed, immediate feedback is provided to the student as a means of monitoring progress.

### Format

Each of the four disks is individually packaged in a durable plastic case. The format is suitable for use in both a school and home setting. Each volume allows up to 40 students to use the program at once. Installation and navigation are straightforward and intuitive. The inclusion of both a basic and advanced program for each of the mathematics areas provides for students of differing ability levels.

### Recommendation

*Calculation Skills* Series is recommended to support mathematics curriculum associated with recall and consolidation of addition, subtraction, multiplication and division number facts and simple mental arithmetic operations and computations.

*This learning resource is recommended by Curriculum Services Canada. The recommendation is of this resource only and should not be construed as a general recommendation of the developer of this resource or the developer's business or related activities.*