

Unit 10 Problem Solving, Algorithms, and Spreadsheets

Lesson 1 *Money Adds Up and Multiplies* 648

INVESTIGATIONS

- 1 Saving with Interest 649
- 2 Borrowing and Lending 653

Lesson 2 *Building a Library of Algorithms* 657

INVESTIGATIONS

- 1 Formula Algorithms 658
 - 2 Equation-Solving Algorithms 661
- PUMP 664

Lesson 3 *Mathematical Patterns in Shapes and Numbers* 666

INVESTIGATION

- 1 Fractals Forever 667

Lesson 4 *Population Dynamics* 671

INVESTIGATION

- 1 Where Is the Population Headed? 672
- PUMP 678

Lesson 5 *Population and Political Power* 680

INVESTIGATION

- 1 Deciding Political Representation 681

Lesson 6 *Looking Back* 688