

## BIG IDEA 1 Multiplication with Tens and Hundreds

Common Core State Standards 4.NBT.1, 4.NBT.5

- 1** Arrays and Area Models .....  
**ACTIVITIES** Arrays of Ones • Arrays of Tens
- 2** Connect Place Value and Multiplication .....  
**ACTIVITIES** Discuss a Product of Tens • Arrays of Hundreds
- 3** Mental Math and Multiplication .....  
**ACTIVITIES** Review Multiplication with Tens • Mental Multiplication

## BIG IDEA 2 Multiply by One-Digit Numbers

Common Core State Standards 4.OA.3, 4.NBT.2, 4.NBT.3, 4.NBT.5, 4.MD.2

- 4** Model One-Digit by Two-Digit Multiplication .....  
**ACTIVITIES** Multiplication Modeling • Practice Multiplication  
• Multiplication with Dollars
- 5** Estimate Products .....  
**ACTIVITIES** Estimate Products • Practice Estimation
- 6** Use Place Value to Multiply .....  
**ACTIVITIES** Model the Place Value Sections Method • Model the Expanded  
Notation Method
- 7** Algebraic Notation Method .....  
**ACTIVITIES** The Distributive Property and Multiplication • Connect Models  
and the Distributive Property
- 8** Compare Methods of One-Digit by Two-Digit Multiplication .....  
**ACTIVITIES** Multiplication Methods • Practice Multiplication
- 9** Discuss Different Methods .....  
**ACTIVITIES** Compare Multiplication Methods • Analyze the Shortcut Method
- 10** One-Digit by Three-Digit Multiplication .....  
**ACTIVITIES** Multiply One-Digit Numbers by Hundreds • Use the Area Model to  
Multiply Hundreds • Practice One-Digit by Three-Digit Multiplication

## BIG IDEA 3 Multiplication with Two-Digit Numbers

Common Core State Standards 4.OA.3, 4.NBT.2, 4.NBT.5

- 12** Two-Digit by Two-Digit Multiplication .....  
**ACTIVITIES** Represent Multiplication • Practice Multiplication
- 13** Different Methods for Two-Digit Multiplication .....  
**ACTIVITIES** Multiply Two-Digit Numbers • The Shortcut Multiplication Method
- 14** Check Products of Two-Digit Numbers .....  
**ACTIVITIES** Compare Methods • Estimate Products of Two-Digit Numbers  
• Practice Multiplication