

# Materials Needed for Lessons

## Pretest Lesson

- Pretests (timed and untimed versions)
- Learning Contract
- Multiplication With Regrouping Progress Chart
- Student Folders

## Lesson 1: Concrete Method

- Learning Sheet 1
- Place Value Mats
- Base-ten blocks\*

## Lesson 2: Concrete Method

- Learning Sheet 2
- Place Value Mats
- Base-ten blocks\*

## Lesson 3: Concrete Method

- Learning Sheet 3
- Place Value Mats
- Base-ten blocks\*

## Lesson 4: Concrete Method

- Learning Sheet 4
- Place Value Mats
- Base-ten blocks\*

## Lesson 5: Representational Method

- Learning Sheet 5

## Lesson 6: Representational Method

- Learning Sheet 6

## Lesson 7: Representational Method

- Learning Sheet 7

## Lesson 8: Representational Method

- Learning Sheet 8

## Lesson 9: RENAME Strategy

- Learning Sheet 9

## Lesson 10: Abstract Method

- Learning Sheet 10

## Lesson 11: Abstract Method

- Learning Sheet 11

## Lesson 12: Abstract Method

- Learning Sheet 12
- Regrouping Rate A

## Lesson 13: Abstract Method

- Learning Sheet 13
- Regrouping Rate B

## Lesson 14: Abstract Method

- Learning Sheet 14
- Regrouping Rate C

## Lesson 15: Abstract Method

- Learning Sheet 15
- Regrouping Rate A

## Lessons 16-18: Maintenance

- Learning Sheets 16, 17, and 18
- Regrouping Rate A, B, and C

## Posttest Lesson

- Posttest (untimed)
- Multiplication With Regrouping Progress Chart

**\*Please Note:** Base-ten blocks are needed to teach the concrete method of multiplication with regrouping (Lessons 1-4). Each student will need a kit of base-ten blocks.