

# PROBLEM SOLVING

## Lesson 3.7

Name \_\_\_\_\_

### Problem Solving • Multiply 2-Digit Numbers

COMMON CORE STANDARD CC.4.OA.3

Use the four operations with whole numbers to solve problems.

Solve each problem. Use a bar model to help.

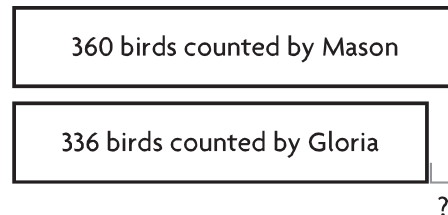
1. Mason counted an average of 18 birds at his bird feeder each day for 20 days. Gloria counted an average of 21 birds at her bird feeder each day for 16 days. How many more birds did Mason count at his feeder than Gloria counted at hers?

Birds counted by Mason:  $18 \times 20 = 360$

Birds counted by Gloria:  $21 \times 16 = 336$

Draw a bar model to compare.

Subtract.  $360 - 336 = 24$



So, Mason counted 24 more birds.

2. The 24 students in Ms. Lee's class each collected an average of 18 cans for recycling. The 21 students in Mr. Galvez's class each collected an average of 25 cans for recycling. How many more cans were collected by Mr. Galvez's class than Ms. Lee's class?
- \_\_\_\_\_

3. At East School, each of the 45 classrooms has an average of 22 students. At West School, each of the 42 classrooms has an average of 23 students. How many more students are at East School than at West School?
- \_\_\_\_\_

4. A zoo gift shop orders 18 boxes of 75 key rings each and 15 boxes of 80 refrigerator magnets each. How many more key rings than refrigerator magnets does the gift shop order?
- \_\_\_\_\_