

PROBLEM SOLVING
Lesson 2.9

Name _____

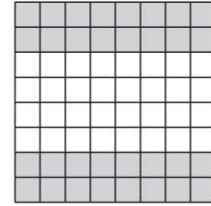
Problem Solving • Multistep
Multiplication Problems

COMMON CORE STANDARD CC.4.OA.3

Use the four operations with whole numbers to solve problems.

Solve each problem.

1. A community park has 6 tables with a chessboard painted on top. Each board has 8 rows of 8 squares. When a game is set up, 4 rows of 8 squares on each board are covered with chess pieces. If a game is set up on each table, how many total squares are NOT covered by chess pieces?



$$4 \times 8 = 32$$
$$32 \times 6 = \blacksquare$$

192 squares

2. Jonah and his friends go apple picking. Jonah fills 5 baskets. Each basket holds 15 apples. If 4 of Jonah's friends pick the same amount as Jonah, how many apples do Jonah and his friends pick in all? Draw a diagram to solve the problem.

3. There are 6 rows of 16 chairs set up for the third-grade play. In the first 4 rows, 2 chairs on each end are reserved for teachers. The rest of the chairs are for students. How many chairs are there for students?

Lesson Check (CC.4.OA.3)

- At a tree farm, there are 9 rows of 36 spruce trees. In each row, 14 of the spruce trees are blue spruce. How many spruce trees are NOT blue spruce?
 (A) 126 (C) 310
 (B) 198 (D) 324
- Ron is tiling a countertop. He needs to place 54 square tiles in each of 8 rows to cover the counter. He wants to randomly place 8 groups of 4 blue tiles each and have the rest of the tiles be white. How many white tiles will Ron need?
 (A) 464 (C) 400
 (B) 432 (D) 32

Spiral Review (CC.4.OA.1, CC.4.NBT.4, CC.4.NBT.5)

- Juan reads a book with 368 pages. Savannah reads a book with 172 fewer pages than Juan's book. How many pages are in the book Savannah reads?
(Lesson 1.8)
 (A) 196
 (B) 216
 (C) 296
 (D) 540
- Terrence plants a garden that has 8 rows of flowers, with 28 flowers in each row. How many flowers did Terrence plant?
(Lesson 2.6)
 (A) 1,664
 (B) 224
 (C) 164
 (D) 36
- Hailey has bottles that hold 678 pennies each. About how many pennies does she have if she has 6 bottles filled with pennies?
(Lesson 2.4)
 (A) 3,600
 (B) 3,900
 (C) 4,200
 (D) 6,000
- Kevin has 5 fish in his fish tank. Jasmine has 4 times as many fish as Kevin has. How many fish does Jasmine have?
(Lesson 2.1)
 (A) 15
 (B) 20
 (C) 25
 (D) 30