Problem Solving • Multistep
Multiplication 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?

\[ 4 \times 8 = 32 \]
\[ 32 \times 6 = 192 \text{ squares} \]

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)

1. 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?
   \[ \text{A} \ 126 \quad \text{C} \ 310 \]
   \[ \text{B} \ 198 \quad \text{D} \ 324 \]

2. 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?
   \[ \text{A} \ 464 \quad \text{C} \ 400 \]
   \[ \text{B} \ 432 \quad \text{D} \ 32 \]

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

   \[ \text{A} \ 196 \quad \text{B} \ 216 \quad \text{C} \ 296 \quad \text{D} \ 540 \]

4. 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)
   \[ \text{A} \ 3,600 \quad \text{B} \ 3,900 \quad \text{C} \ 4,200 \quad \text{D} \ 6,000 \]

5. 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)
   \[ \text{A} \ 1,664 \quad \text{B} \ 224 \quad \text{C} \ 164 \quad \text{D} \ 36 \]

6. 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)
   \[ \text{A} \ 15 \quad \text{B} \ 20 \quad \text{C} \ 25 \quad \text{D} \ 30 \]