Problem Solving • Multiplication

COMMON CORE STANDARD CC.3.OA.8
Solve problems involving the four operations, and
identify and explain patterns in arithmetic.

Solve.

1. Henry has a new album for his baseball cards. He uses pages that hold 6 cards and pages that hold 3 cards. If Henry has 36 cards, how many different ways can he put them in his album?

Pages with 6 Cards	1	2	3	4	5
Pages with 3 Cards	10	8	6	4	2
Total Cards	36	36	36	36	36

Henry can put the cards in his album __5__ ways.

2. Ms. Hernandez has 17 tomato plants that she wants to plant in rows. She will put 2 plants in some rows and 1 plant in the others. How many different ways can she plant the tomato plants? Make a table to solve.

Rows with 2 Plants	
Rows with 1 Plant	
Total Plants	

Ms. Hernandez can plant the tomato plants _____ ways.

3. Bianca has a total of 25¢. She has some nickels and pennies. How many different combinations of nickels and pennies could Bianca have? Make a table to solve.

Number of Nickels	
Number of Pennies	
Total Value	

Bianca could have _____ combinations of 25¢.

Lesson Check (CC.3.OA.8)

1. The table shows different ways that Cameron can display his 12 model cars on shelves. How many shelves will display 2 cars if 8 of the shelves each display 1 car?

Shelves with 1 Car	2	4	6	8	10
Shelves with 2 Cars	5	4	3	■	■
Total cars	12	12	12	12	12

Ⓐ 1   Ⓒ 3
Ⓑ 2   Ⓓ 4

Spiral Review (CC.3.OA.3, CC.3.NBT.1, CC.3.NBT.2, CC.3.MD.3)

2. Find the sum. (Lesson 1.6)

$$317$$
$$+\ 151$$

Ⓐ 166   Ⓒ 468
Ⓑ 268   Ⓓ 568

3. The school cafeteria has an order for 238 hot lunches. What is 238 rounded to the nearest ten? (Lesson 1.2)

Ⓐ 300   Ⓒ 230
Ⓑ 240   Ⓓ 200

4. Tyler made a picture graph to show students' favorite colors. This is the key for his graph.
Each ● = 3 votes.
If 12 students voted for green, how many ● should there be in the green row of the graph? (Lesson 2.2)

Ⓐ 3   Ⓒ 9
Ⓑ 4   Ⓓ 12

5. There are 5 bikes in each bike rack at the school. There are 6 bike racks. How many bikes in all are in the bike racks? (Lesson 4.2)

Ⓐ 11
Ⓑ 24
Ⓒ 25
Ⓓ 30