

ALGEBRA

Lesson 5.1

Name _____

Describe Patterns

COMMON CORE STANDARD CC.3.OA.9

Solve problems involving the four operations, and identify and explain patterns in arithmetic.

Describe a pattern for the table. Then complete the table.

1.

Pans	1	2	3	4	5
Muffins	6	12	18	24	30

Add 6 muffins for each pan; Multiply the number of pans by 6.

2.

Wagons	2	3	4	5	6
Wheels	8	12	16		

3.

Vases	Flowers
2	14
3	
4	28
5	
6	42

4.

Spiders	Legs
1	8
2	
3	24
4	
5	40

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Problem Solving



5. Caleb buys 5 cartons of yogurt. Each carton has 8 yogurt cups. How many yogurt cups does Caleb buy?

6. Libby bought 4 packages of pencils. Each package has 6 pencils. How many pencils did Libby buy?

Lesson Check (CC.3.OA.9)

1. Which of the following describes a pattern in the table?

Tables	1	2	3	4	5
Chairs	5	10	15	20	25

- (A) Multiply by 3. (C) Add 1.
 (B) Multiply by 5. (D) Add 4.

2. Which number completes this table?

Butterflies	3	4	5	6	7
Wings	12	16	20	■	28

- (A) 30 (C) 24
 (B) 26 (D) 22

Spiral Review (CC.3.OA.3, CC.3.OA.7)

3. Jennilee buys 7 packs of crayons. There are 6 crayons in each pack. How many crayons does Jennilee buy in all? (Lesson 4.3)

- (A) 13
 (B) 36
 (C) 42
 (D) 48

4. Maverick has 5 books of circus tickets. Each book has 5 tickets. How many tickets does Maverick have in all? (Lesson 4.2)

- (A) 10
 (B) 15
 (C) 20
 (D) 25

5. Bailey walked his dog 2 times each day for 9 days. How many times did Bailey walk his dog in all? (Lesson 4.9)

- (A) 9
 (B) 11
 (C) 18
 (D) 27

6. Drew's Tree Company delivers pear trees in groups of 4. Yesterday, the company delivered 8 groups of pear trees. How many pear trees were delivered in all? (Lesson 4.8)

- (A) 12
 (B) 16
 (C) 24
 (D) 32