

ALGEBRA

Lesson 1.12

Name _____

Grouping Symbols

COMMON CORE STANDARD CC.5.OA.1

Write and interpret numerical expressions.

Evaluate the numerical expression.

$1. 5 \times [(11 - 3) - (13 - 9)]$ $5 \times [8 - (13 - 9)]$ $5 \times [8 - 4]$ 5×4 20	$2. 30 - [(9 \times 2) - (3 \times 4)]$	$3. 36 \div [(14 - 5) - (10 - 7)]$
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$4. 7 \times [(9 + 8) - (12 - 7)]$	$5. [(25 - 11) + (15 - 9)] \div 5$	$6. [(8 \times 9) - (6 \times 7)] - 15$
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$7. 8 \times \{[(7 + 4) \times 2] - [(11 - 7) \times 4]\}$	$8. \{[(8 - 3) \times 2] + [(5 \times 6) - 5]\} \div 5$
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Problem Solving



Use the information at the right for 9 and 10.

9. Write an expression to represent the total number of muffins and cupcakes Joan sells in 5 days.

10. Evaluate the expression to find the total number of muffins and cupcakes Joan sells in 5 days.

Joan has a cafe. Each day, she bakes 24 muffins. She gives away 3 and sells the rest. Each day, she also bakes 36 cupcakes. She gives away 4 and sells the rest.

Lesson Check (CC.5.OA.1)

1. What is the value of the expression?

$$9 \times [(21 - 4) - (2 + 7)]$$

- (A) 72
- (B) 108
- (C) 190
- (D) 198

2. Which expression has a value of 24?

- (A) $[(17 - 9) \times (3 + 2)] \div 2$
- (B) $[(17 + 9) - (3 + 2)] - 2$
- (C) $[(17 - 9) \times (3 \times 2)] \div 2$
- (D) $[(17 - 9) + (3 \times 2)] \times 2$

Spiral Review (CC.5.OA.2, CC.5.NBT.1, CC.5.NBT.5)

3. What is $\frac{1}{10}$ of 200? (Lesson 1.1)

- (A) 2
- (B) 20
- (C) 2,000
- (D) 20,000

4. The Park family is staying at a hotel near an amusement park for 3 nights. The hotel costs \$129 per night. How much will their 3-night stay in the hotel cost? (Lesson 1.6)

- (A) \$67
- (B) \$369
- (C) \$378
- (D) \$387

5. Vidal bought 2 pizzas and cut each into 8 slices. He and his friends ate 10 slices. Which expression matches the words?

(Lesson 1.10)

- (A) $(2 + 8) - 10$
- (B) $(2 \times 8) - 10$
- (C) $(2 \times 8) + 10$
- (D) $(2 \times 10) - 8$

6. What is the value of the underlined digit in 783,549,201? (Lesson 1.2)

- (A) 4
- (B) 40
- (C) 40,000
- (D) 400,000