Name _____

Properties

COMMON CORE STANDARD MACC.5.NBT.2.6

Perform operations with multi-digit whole numbers and with decimals to hundredths.

Use properties to find the sum or product.

1. 6×89

$6 \times (90 - 1)$
$(6 \times 90) - (6 \times 1)$
$540 - 6$
534

2. $93 + (68 + 7)$

_____

3. $5 \times 23 \times 2$

_____

4. 8×51

_____

5. $34 + 0 + 18 + 26$

_____

6. 6×107

_____

Complete the equation, and tell which property you used.

7. $(3 \times 10) \times 8 =$ _____ $\times (10 \times 8)$

_____

_____

8. $16 + 31 = 31 +$ _____

_____

_____

9. $0 +$ _____ $= 91$

_____

_____

10. $21 \times$ _____ $= 9 \times 21$

_____

_____

Problem Solving REAL WORLD

11. The Metro Theater has 20 rows of seats with 18 seats in each row. Tickets cost $5. The theater's income in dollars if all seats are sold is $(20 \times 18) \times 5$. Use properties to find the total income.

_____

12. The numbers of students in the four sixth-grade classes at Northside School are 26, 19, 34, and 21. Use properties to find the total number of students in the four classes.

_____

PARCC TEST PREP

Lesson Check (MACC.5.NBT.2.6)

1. To find $19 + (11 + 37)$, Lennie added 19 and 11. Then he added 37 to the sum. Which property did he use?

   (A) Distributive Property

   (B) Commutative Property of Addition

   (C) Associative Property of Addition

   (D) Identity Property of Addition

2. Marla did 65 sit-ups each day for one week. Which expression can you use to find the total number of sit-ups Marla did during the week?

   (A) $(7 \times 6) + (7 \times 5)$

   (B) $(5 \times 60) + (5 \times 7)$

   (C) $(7 + 60) \times (7 + 5)$

   (D) $(7 \times 60) + (7 \times 5)$

Spiral Review (Reviews MACC.4.OA.2.4, MACC.4.NBT.2.5, MACC.4.NBT.2.6, MACC.5.NBT.1.1)

3. The average sunflower has 34 petals. Which is the best estimate of the total number of petals on 57 sunflowers? **(Grade 4)**

   (A) 18

   (B) 180

   (C) 1,800

   (D) 18,000

4. A golden eagle flies a distance of 290 miles in 5 days. If the eagle flies the same distance each day of its journey, how far does the eagle fly per day? **(Grade 4)**

   (A) 50 miles

   (B) 58 miles

   (C) 290 miles

   (D) 295 miles

5. What is the value of the underlined digit in the following number? **(Lesson 1.2)**

   $2{,}9\underline{8}3{,}785$

   (A) 80

   (B) 800

   (C) 8,000

   (D) 80,000

6. The number 5 is **(Grade 4)**

   (A) prime.

   (B) composite.

   (C) neither prime nor composite.

   (D) both prime and composite.