Mid-Topic 2 Review Homework

Name: _____

Period: _____

1. Complete the following equation using the associative property.

$5 \cdot (3 \cdot 7) =$

2. Find the Least Common Multiple of 12 and 9.

3. Which one of these is NOT true?

A. $62.4 + 0 = 62.4$

B. $1 \bullet 807 = 807$

C. $0 \bullet 4 = 4$

D. $0 + 7.54 = 7.54 + 0$

4. What property does this show?

$2.61 + 92.7 = 92.7 + 2.61$

5. Give an example of the zero property of multiplication.

6. Give an example of the commutative property of multiplication.

7. Give an example of the identity property of addition.

8. Give an example of the identity property of multiplication

9. Find the GCF of 45 and 36.

10. Find the prime factorization of the number 108. Write you answer using exponents.

11. The science department buys the equipment shown in the table. They bought all three items this year. In how many years will they have to buy all three items again?

Item	Time Bought
Microscopes	every 5 years
Safety goggles	every 4 years
Test tubes	every 2 years

12. A grocery store has 16 oranges, 20 apples, and 24 pears. The clerk needs to put an equal number of apples, oranges, and pears into each basket. What is the greatest number of baskets that can be made so that no fruit is left?

Mid-Topic 2 Review Homework

Name: Key

Period: _____

1. Complete the following equation using the associative property.

$5 \cdot (3 \cdot 7) = (5 \cdot 3) \cdot 7$

2. Find the Least Common Multiple of 12 and 9.

Skip Count

12: 12, 24, (36) 48, 60

9: 9, 18, 27, (36)

LCM = 36

3. Which one of these is NOT true?

A. $62.4 + 0 = 62.4$

B. $1 \bullet 807 = 807$

(C.) $0 \bullet 4 = 4$

D. $0 + 7.54 = 7.54 + 0$

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4. What property does this show?

$2.61 + 92.7 = 92.7 + 2.61$ Commutative Property of Addition

5. Give an example of the zero property of multiplication.

$a \cdot 0 = 0$

6. Give an example of the commutative property of multiplication.

$(4)(7) = (7)(4)$

7. Give an example of the identity property of addition.

$25 + 0 = 25$

8. Give an example of the identity property of multiplication

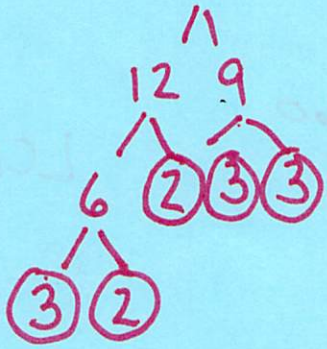
$ab \cdot 1 = ab$

9. Find the GCF of 45 and 36.

$$\begin{array}{r|ll} 9 & 45 & 36 \\ \hline & 5 & 4 \end{array}$$

GCF = 9

10. Find the prime factorization of the number 108. Write you answer using exponents.



$3^3 \cdot 2^2$

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11. The science department buys the equipment shown in the table. They bought all three items this year. In how many years will they have to buy all three items again?

Item	Time Bought
Microscopes	every 5 years
Safety goggles	every 4 years
Test tubes	every 2 years

M: 5, 10, 15, (20), 25, 30, 35, 40

S: 4, 8, 12, 16, (20) 24, 28, 32

T: 2, 4, 6, 8, 10, 12, 14, 16, 18, (20)

20th year

12. A grocery store has 16 oranges, 20 apples, and 24 pears. The clerk needs to put an equal number of apples, oranges, and pears into each basket. What is the greatest number of baskets that can be made so that no fruit is left?

GCF = 4

	oranges	Apples	Pears
2	16	20	24
2	8	10	12
	4	5	6

4 baskets