Thursday Homework

Which example shows the zero product property?

A. $a(b + c) = ab + bc$

B. $(a + b) + 9 = a(9 + b)$

C. $a + a + a = 3a$

D. A (0)

Which example does NOT show the commutative property of addition?

A. $4 + x = x + 4$

B. $ab = ba$

C. $a + b = b + a$

D. $3x + 4y = 4y + 3x$

Customers at an ice-cream shop took a survey. The results showed that 144 customers rated the shop as being "very satisfactory." This number represented 45% of the total number of customers who took the survey.

What was the total number of customers who took the survey? (Answer – 320)

Complete the table below to show an equivalent expression

ORIGINAL EXPRESSIONS	PROPERTY	EQUIVALENT EXPRESSION
$15 + 0$	Additive Identity	
$4 \cdot 6 \cdot 7$	Commutative Property of Multiplication	
$9 + (5 + 3)$	Associative Property of Addition	
$11 \cdot 1$	Multiplicative Identity	
$\frac{1}{4} \cdot \frac{4}{1}$	Multiplicative Inverse	
$9 + (-9)$	Additive Inverse	

A worker at a clothing company uses 200 buttons to make 50 shirts. At this rate, how many buttons would the worker use to make 350 shirts? (Answer is 1,400)

Wednesday Homework

Name_____ PD _____

Every day after school, Jenna rides her bicycle to her home, which is a distance of 4.2 kilometers. What are 3 different ways I can set up the proportions to solve this problem?	Caroline saved $3.84 on a discounted item that was marked down 15% off the original price of the item. What was the original price of the item before the discount? (Answer is $25.60)	A cookie recipe calls for $2\frac{1}{4}$ cups of flour and $1\frac{1}{2}$ cups of sugar. If the amount of the ingredients are increased proportionally and the amount of sugar was increased to 9 cups, how many cups of flour would be needed? (Answer 13.5 cups of flour)
What is the prime factorization of 180?	The prime factorization is $3^2 \cdot 5^2$; What number does this describe?	What is the prime factorization of 80?
Frank had $65. He spent $2 per day for 7 days. Then he was given $9 to divide equally between himself and his 2 brothers. The following expression can be used to find the amount of money Frank had after that. $65 - 2 \cdot 7 + 9 \div 3$ Based on this expression, what is the amount of money Frank had remaining?	What is the prime factorization of 110?	What is the value of the expression shown below? $12 + 96 \div 3 \cdot 2^3$