Name:_____ **6th Grade Math Homework** **December 11 - 15** **Week 17**

Please use your math notebook and/or our math website for help/videos to help with concepts on this homework.

6th grade math website: nms6grademath.weebly.com **SHOW ALL WORK IN THE WORK COLUMN.**

Monday	Monday's Work	Tuesday	Tuesday's Work
Find the quotient. $\frac{4}{7} \div 6 =$		Find the product. $2\frac{1}{8} \times \frac{4}{5} =$	
Find the reciprocal. $3\frac{2}{3}$		Evaluate the expression. $7^2 + 3(5.2 - 2.8)$	
A cookie recipe requires 1 ¼ cups of flour per batch. How many cups of flour are required to make 6 batches of cookies?		What is the **GCF** of 42 and 90?	
A bird is flying 15 feet above sea level. A whale is swimming 30 feet below sea level. How far is the bird from the whale?		What is 75 of 128?	
What is the greatest common factor of the numerator and denominator in the fraction below? $\frac{28}{42}$		Kentucky has a 6% sales tax. If you spend $150 at K-mart how much tax will you have to pay?	
A rectangular garden has a length of (y+2) yards and a width of (4y-1) yards. Find the perimeter of the garden.		Are the following expressions equivalent? $15(y + 6) + 10(y – 5) + 20(2y + 3)$ and $5(20 + 13y)$	
$24y + 32 + 4x + 3$ What is the coefficient of x?		$7y + 4x + 4 – 2x + 8$ What is the coefficient of y?	
Use the distributive property to create an equivalent expression to $7x + 56$		Combine like terms. $14x + 13 – 8x - 1$	

Wednesday	Wednesday's Work	Thursday	Thursday's Work
Tony has 8 yards of fabric. How many inches does he have?		A toy that was originally $35 is now marked down to $28. What percentage was the toy marked down?	
After working for 6 hours, Kevin earned $51.00. What is Kevin's unit rate?		Andy has 9 math books and 6 reading books. If he wants to distribute them evenly among some bookshelves so that each has the same combination of books, with none left over, what is the greatest number of bookshelves Andy can use?	
What percent of 96 is 36?		A television normally costs $1,420. Due to a store sale, the television is now $1,022.40. What was the percentage taken off the television?	
A yard of lace costs w cents and a yard of fabric costs $0.40 more than the lace. Kim wants to buy one yard of lace and 2 yards of fabric. How much money will she need in terms of w?		Jenny is x years old. Thomas is 3 times as old as Jenny. Jenny is 5 years older than Alexis. Find the sum of their ages in terms of x.	
$24x + 32 + 4x + 3y$ What is the constant?		Use the distributive property to create an equivalent expression to $5y + 30$	
Jose worked n hours at $8.75 per hour. He made a total of $61.25. Write an expression that represents the total number of hours Jose worked.		Combine like terms. $8(y + 3) + 6 – 3y$	
Write an expression that represents 72 divided by n plus 4.		What is the value of $8(2.3 + x)$ when $x = 7$?	
Simplify the expression. $4 + 5(2 + 2n)$		Solve the following expression when $x = 4$ $88 + 16x + 8$	