Sixth Grade Math Challenge

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1. What is the Least Common Multiple of 6 and 8?
2. Convert ⅜ to a decimal and a percent.	3. Simplify: $(12 - 8)^2 + (7 \times 8 - 4) \div (6 - 2) =$	4. If a rectangle has an area of 36 square feet, what are its possible dimensions?	5. If a car travels 220 miles in 4 hours, what is its speed in miles per hour? (unit rate)	6. What is 25% of 240?	7. Solve the proportion. 45/54 = ?/20	8. Find the missing number: 3.4 + ? = 8.23
9. Multiply. 3.64 X 2.5 =	10. Divide. 1,256 ÷ 8 =	11. Find the perimeter of a triangle with sides of 3.1 cm, 4.2 cm, and 5.3cm.	12. Solve for y. 5y = 420	13. A recipe calls for 2 cups of sugar for every 5 cups of flour. How much flour would you need to triple the recipe?	14. What is one thing you LOVE about math?	15. Convert 3 and ¾ of an hour into minutes?
16. What is the greatest common factor of 24 and 36?	17. Change 3.75 to an equivalent fraction and percent.	18. A store has a sale. Buy one shirt and get a second shirt for half off. One shirt is $15. How much for 4 shirts?	19. If a square has a perimeter of 12in, what is its area?	20. Write the decimal 0.45 as a fraction in simplest form.	21. Solve. 8 - (-5) + (-4) = -20 + 18 = -25 - 32 =	22. A store sells a pair of shoes for $60. If the store offers a 25% discount, how much would you pay?
23. If you buy 3 notebooks for $7.50, how much did each notebook cost?	24. Write 2.5% as a decimal.	25. Find the missing value. $\frac{15}{n} = \frac{5}{12}$	26. Simplify. $10^2 - 3^2 \times (6 - 3) \times 2 =$	27. Put the numbers in order from least to greatest. 2 ☐ 1 ⅗ 1.5	28. Sophie owes her parents $28. Ali has a debt of $16. Susie deposited $30 in her account. Who owes the most money?