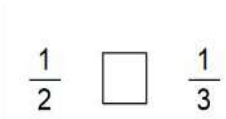
Directions: Read each problem carefully. Show all work and answer #1- 72 in the space provided. Answer ON A SEPARATE SHEET OF GRAPH PAPER. Remember you can use the strategies learned in class with W.I.K. and W.I.N.

1. $7 + (6 \times 5^2 + 3)$	2. $8 \div 2 \times 14 - 3$
3. $51.4 + 2.86$	4. $0.1274 + 8.25$
5. $265{,}765 + 26{,}531 =$	6. $373{,}123 - 226{,}321 =$
7. $480.401 - 44.23$	8. $338.38 - 149.27$

9. $12^4 =$	10. $11^3 =$
11. 297 x 36 =	12. 99 x 49 =
13. 0.13 x 5.1	14. 23.08 x 12.3
15. 356 / 16	16. 238 / 9
Round to the nearest… 17. tenth 0.3479 18. tens 162.21 19. hundredth 7.548 20. Whole Number 3.4268	Name the place value for the "6" in each number below. 21. 49,612_____ 22. 6, 489, 215 _____ 23. 34, 624.09 _____ 24. 5.426 _____

Determine if the following numbers are prime or composite. If the numbers are composite, please list all of the factors. 25. 27	Determine if the following numbers are prime or composite. If the numbers are composite, please list all of the factors. 26. 38
Determine if the following numbers are prime or composite. If the numbers are composite, please list all of the factors. 27. 53	Determine if the following numbers are prime or composite. If the numbers are composite, please list all of the factors. 28. 49
Solve the following expressions by writing the expanded notation (repeated multiplication) and find the value. 29. 12^2	Solve the following expressions by writing the expanded notation (repeated multiplication) and find the value. 30. 9^3
Solve the following expressions by writing the expanded notation (repeated multiplication) and find the value. 31. 8^4	Solve the following expressions by writing the expanded notation (repeated multiplication) and find the value. 32. 5^6

List all the factors for each number. Circle the common factors. 33. 32 and 48	List all the factors for each number. Circle the common factors. 34. 5 and 7
List all the factors for each number. Circle the common factors. 35. 18 and 40	List all the factors for each number. Circle the common factors. 36. 9 and 12
Write the Correct Comparison Symbol (>, < or =) in Each Box 37. 	Write the Correct Comparison Symbol (>, < or =) in Each Box 38.
39. Which is true? a) 0.08 is ten times greater than 0.8? b) 0.080 is equal to 0.0080? c) 0.0080 is ten times greater than 0.008? d) 0.070 is less than 0.08	Least Common Multiple The smallest nonzero multiple that two or more numbers have in common. 40. 8 and 12
Compare the following fractions by using >, <, or =	
41. ½ _____ 1/5	42. 3/9 _____ 1/4

43. 1/8 _____ 1/16	44. 12/16 _____ 3/4
Place the following fractions in order from LEAST to GREATEST	
45. 1/2, 1/9, 1/3, 1/13, 1/6, 1/12	46. 1/3, 4/5, 3/9, 2/7
Solve the following problems. Show your work. Be sure to follow the order of operations. Parenthesis Exponents multiplication or Division: Whichever comes first from left to right. Addition or Subtraction: Whichever comes first from left to right.	
47. (30 + 8) x (6-1)	48. 25 + 18 + 6 - 1
49. $24 + 6^2 - 1^4$	50. $480 + 6^2 / 5^4$
All answers must be in simplest form.	
51. 1/3 +1/4	52. 1/2 + 2/3
53.I am a 2-dimensional shape that has four sides. I have four 90 degree angles. I have two sets of parallel lines. I also have two sides that are one length, and my other two sides are a different length.	54. I am a 2-dimensional shape that has three cute angles. All of my sides are the same length. I have no parallel sides.

55. I am a 2-dimensional shape that has four sides. I have two obtuse angles and two acute angles. I have two different sets of parallel sides. I also have two sides that are one length, and my other two sides are a different length.	56. I am a 2-dimensional shape that has 5 obtuse angles. I do not have any sides that are parallel.
Solve the following.	

57. 2.82 x 1.4 = _	58. 8.2. x 0.2 = _
59. If the height of a parallelogram is 11m and the base is 6.9m, what is the area of the parallelogram? A= B x H	60. The length and width of Nicole's laptop are 14 inches and 16 inches, respectively. Find the area covered by the laptop.
Convert the following fractions into decimal form.	
61. 1/3= _	62. 2/5= _
63. 1/7= _	64. ½ = _ ___
Express each ratio as a fraction in the simplest form.	
65. 18 pounds to 22 pounds	66. 16 feet out of 18 feet
67. 12 ,blue cars out of 48 cars	68. 6 gallons and 42 gallons

69. A math club has 25 members, of which 11 are males and the rest are females. What is the ratio of males to all club members?

70. Martha ran a 5 kilometer race in 22.5 minutes. What was Martha's unit rate?
A. 5.5 minutes / 1 kilometer
B. 4.5 minutes / 1 kilometer
C. 4 minutes / 1 kilometer
D. 4.5 minutes / 5 kilometers

71. Toni's brownie recipe calls for 2 teaspoons of salt to 3 teaspoons of vanilla. How many teaspoons of salt does Toni need to every one teaspoon of vanilla?
A. 1.5
B. 2/3
C. 6
D. 2

72. Andre purchased 3 pieces of pizza for $4.50. Based on this rate, how much would one piece of pizza cost?
A. $2.50
B. $1.25
C. $1.50
D. $1.75