Name:_____

WINTON WOODS ELEMENTARY SCHOOL

GRADE 4

MATH

BLIZZARD BAG

#1

All assignments in this packet must be completed for full credit. This assignment will be a part of your quarter grade.

Due: _____

Name:_____

Mathematics: Blizzard Bag Day One

Keywords for this page: factors, multiples, prime numbers and composite numbers

Examples:

Number	*Factor Pairs*	*Factors in order*
24	*1x24, 2x12, 3x8, 4x6,*	*1, 2, 3, 4, 6, 8, 12, 24*

Number	*Multiples*
8	*8, 16, 24, 32, 40, 48, 56, 64, 72, 80, 88*

Prime Numbers *are numbers that only have two factors the number 1 and itself.*

Composite Numbers *are numbers that have more than two factors*

List the factors for the given numbers:

Number	*Factors*	*Prime or Composite*
24	*1, 2, 3, 4, 6, 8, 12, 24*	***Composite***
8		
15		
20		
17		
2		
12		

List 5 multiples of the given number:

Number	*Multiples*
10	*10, 20, 30, 40, 50*
8	
15	
20	
6	

Name:_____

Mathematics: Blizzard Bag Day One

Use the information on the previous page to complete the given T chart .

12	
1	12 = 12
2	6 = 12
3	4 = 12

(1, 2, 3, 4, 6, 12)

Prime or Composite

24	

_____

Prime or Composite

17	

_____

Prime or Composite

Multiple Towers
Complete each Tower

8	What would the 11th tower equal ____	10	What would the 12th tower equal ____	13	What would the 20th tower equal ____	100	What would the 200th tower equal ____

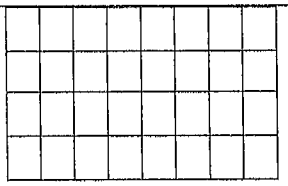
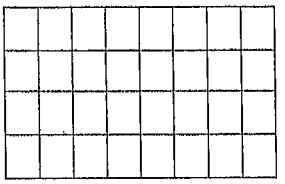
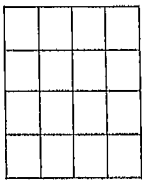
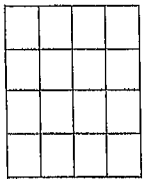
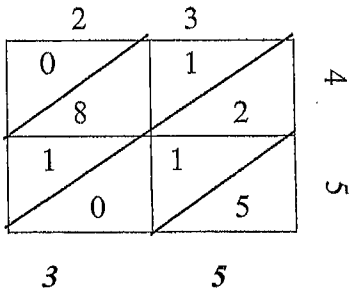
Name:_____

Mathematics: Blizzard Bag Day One

Keywords for this page: multiplication, array, factors and products

Multiplication

Factors → 8 X 4 = 32 ← Product

Strategies	What it Looks Like	
Memorization of Facts	****VERY VERY IMPORTANT***	
Build an Array	4  8	
Multiple Tower or Repeated Addition	32 24 16 8 Multiple Tower	Repeated Addition 8 + 8 + 8 + 8 = 32
Break- Apart Distributive Property	4  8 4  4 4 +  4 = **16 +16 =32**	
Lattice	 23 x 45= 1,035	
Multiplication Algorithm	Traditional Method	

Name:_____

Mathematics: Blizzard Bag Day One

Amy has 45 boxes of pencils. Each box has a dozen pencils. How many pencils does she have in all?

Solve using the Distributive Property listed on the previous page.

Solve the same problem using a strategy of your choice

Check your two answers, did your answers match _____

If not please recalculate and see which one needs to be fixed.

Name:_____

Mathematics: Blizzard Bag Day One

Jose has a garden. He has 56 plants. He places them in 8 rows. How many plants will be in each row?

Use pictures, words or numbers to solve this problem

Solve:

$$\begin{array}{r} 68 \\ \times\ 66 \\ \hline \end{array} \qquad \begin{array}{r} 10 \\ \times\ 54 \\ \hline \end{array} \qquad \begin{array}{r} 37 \\ \times\ 13 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ \times\ 86 \\ \hline \end{array} \qquad \begin{array}{r} 80 \\ \times\ 67 \\ \hline \end{array} \qquad \begin{array}{r} 38 \\ \times\ 18 \\ \hline \end{array}$$

Name:_____

Mathematics: Blizzard Bag Day One

$5\overline{)35}$ $9\overline{)74}$ $2\overline{)19}$

$5\overline{)5}$ $6\overline{)48}$ $2\overline{)3}$

$6\overline{)47}$ $4\overline{)16}$ $2\overline{)8}$

Name:_____

WINTON WOODS ELEMENTARY SCHOOL

GRADE 4

MATH

BLIZZARD BAG

#2

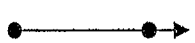
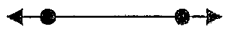
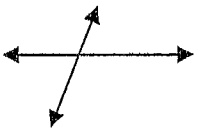
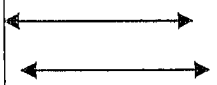
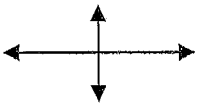
All assignments in this packet must be completed for full credit. This assignment will be a part of your quarter grade.

Due: _____

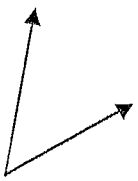
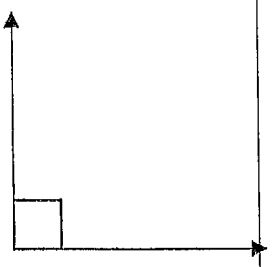
Name:_____

Mathematics: Blizzard Bag Day Two

Keywords for this page: rays, lines, intersecting, parallel, perpendicular, point, acute, obtuse, right and straight lines

	Rays	Lines	Intersecting	Parallel	Perpendicular	Point
Symbol						
Define	starts at a given point and goes off in a certain direction forever	A geometrical object that is straight and goes on forever in both directions	The point where two lines meet or cross	Lines are parallel if they lie in the same plane, and are the same distance apart over their entire length	A line is perpendicular to another if it meets or crosses it at right angles (90°).	A precise location or place on a plane. Usually represented by a dot.

Types of Angles

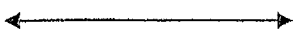
Obtuse: *Angle measuring more than 90 degrees*	*Acute:* *Angle measuring less than 90 degrees*	*Straight:* *A line that measures exactly 180 degrees*	*Right:* *Angle measuring exactly 90 degrees*
			

Name:_____

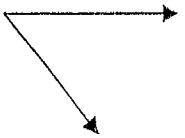
Mathematics: Blizzard Bag Day Two

Keywords for this page: Acute, Obtuse and Right Angles and straight lines

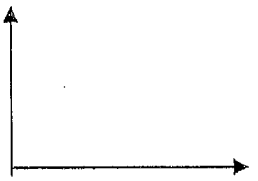
Identify each line



_____



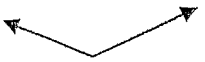
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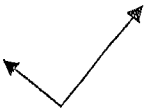
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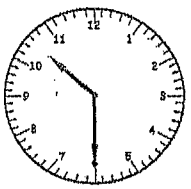
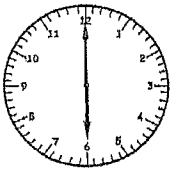
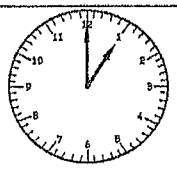
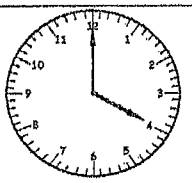
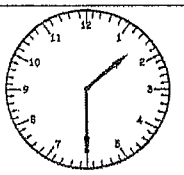


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_____

Identify the angles made by the clock's hands then give the time

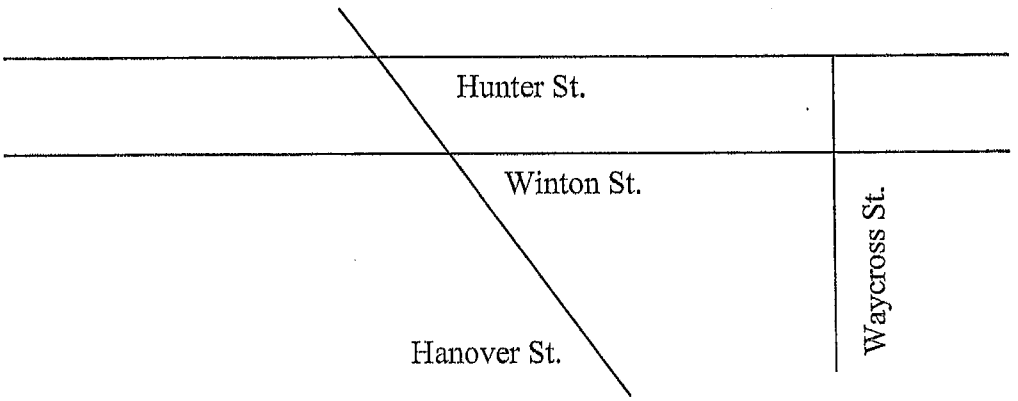
 _____ _____	 _____ _____	 _____ _____
 _____ _____	 _____ _____	 _____ _____

Keywords for this page: ***<u>parallel, intersecting, perpendicular</u>***

Name:_____

Mathematics: Blizzard Bag Day Two

Below are 4 Streets



How are Hunter St. and Winton St. related?

How are Waycross St. and Hunter St, related?

How are Hanover St. and Winton St. related?

Draw a polygon that has one side of parallel sides.	Draw a polygon with two sets of parallel sides

Define:

Parallel Lines: _____

Perpendicular Lines: _____

Name:_____

Mathematics: Blizzard Bag Day Two

Keywords for this page: polygons

What is a polygon?

- A plane shape
- No Curved Lines
- It is a closed shape
- At least three sides

Name a polygon by the number of sides

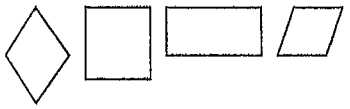
- 3 sides Triangle
- 4 sides Quadrilateral
- 5 sides Pentagon
- 6 sides Hexagon

Quadrilaterals

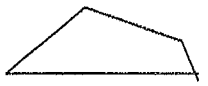
- One set parallel sides



- Two sets of parallel sides ***Parallelograms***



- No set of parallel sides



Triangles can be named by the lengths of their sides

- Equilateral — All sides the same length
- Isosceles — Two sides the same length
- Scalene — No sides the same length

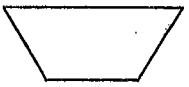
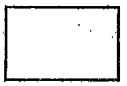
Triangles can be named by their angles.

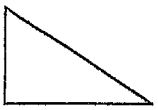
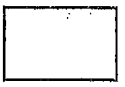
- Equiangular — All sides the same length
- Acute — Less than 90 degree angle
- Obtuse — More than 90 degree angle
- Right Triangle — Has a right angle

Name:_____

Mathematics: Blizzard Bag Day Two

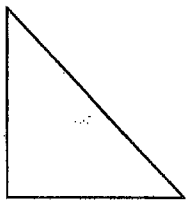
Name a similarity and a difference between the two shapes







Name:_____

WINTON WOODS ELEMENTARY SCHOOL

GRADE 4

MATH

BLIZZARD BAG

#3

All assignments in this packet must be completed for full credit. This assignment will be a part of your quarter grade.

Due: _____

Name:_____

Mathematics: Blizzard Bag Day Three

Adding and Subtracting Fractions Word Problems #1

1. Your class had a pizza party. 3/8 of one pizza was left over, and 4/8 of another pizza was left over. You put them both into one box. How much pizza do you have altogether?

2. A cake recipe requires 3/5 cup of sugar for the frosting and 1/5 cup of sugar for the cake. How much sugar is that altogether?

3. You walk 3/10 of a mile to your friend's house, and then 5/10 of a mile to school. How far did you walk altogether?

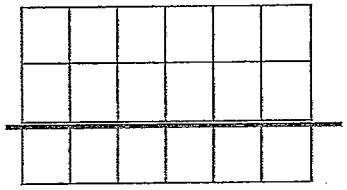
4. After a party, 5/8 of the cake is left over. That night, big brother eats 2/8 of the cake. How much is left over after that?

5. You have 7 5/8 feet of yarn to make a bracelet. You only use 4 1/8 yards for the bracelet. How much yarn is left over?

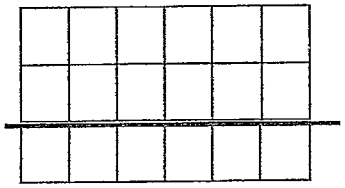
Name:_____

Mathematics: Blizzard Bag Day Three

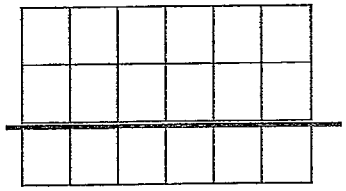
1) 2.45 + 1.65 =



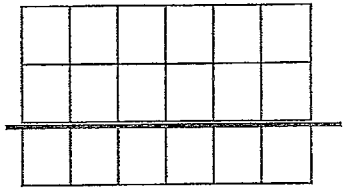
2) .10 + 1.34 =



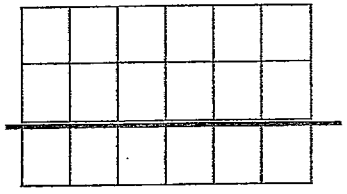
3) .95 + 3.56 =



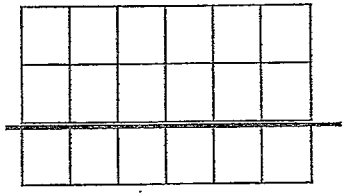
4) 1.1 + .12 =



5) 24.65 + 12.34 =



6) 56 + .99 =



Name:_____

Mathematics: Blizzard Bag Day Three

Picture Representation	Denominator	Two ways to make the given fraction (Equivalent)
	Numerator	
How many more to make it a whole number	6/8 Decimal Value	Closer to: Word form:
Place on number line		