



Action Math 2013 Project Assessment



I. **Wordsmithing(Using the *write right* words)!** Complete the values for each adjective! Then, select a color to represent each word.

ambitious	aggressive	compassionate
Formula: $2^{1/5} - 1^{7/25}$	Formula: $2.2 - 1.28$	Prime Factorization: Factor 150.
Work:	Work:	Work:
Solution/ Value/Color:	Solution/ Value/Color:	Solution/ Value/Color:
cooperative	considerate	courageous
Formula: $2^{1/5} \times 1^{7/25}$	Formula: 2.2×1.28	WHAT ARE THE DIMENSIONS OF QUADRILATERAL THAT HAS AN AREA OF 32 CM SQUARED AND A PERIMETER OF 36 CENTIMETERS? Length = Width=
Work:	Work:	
Solution/ Value/Color:	Solution/ Value/Color:	Solution/ Value/Color:
determined	enthusiastic	gracious
Formula: $7/25 \div 1/2 =$	Formula: $.28 \div .5=$	The complement of an angle is 30 more than 2 times the angle, find this angle and the complement.
Work:	Work:	Work:
Solution/ Value/Color:	Solution/ Value/Color:	Solution/ Value/Color:

Name:

Grade:

Date:



Action Math 2013 Project Assessment



Wordsmithing(Using the *write right words*)! Complete the values for each adjective!
Then, select a color to represent each word.

humble	imaginative	inventive
Formula: SOLVE for Y $4(15 - 6) = 7 + y$	Formula: $4(15 - 6) = 7 + y$ $2(9y - 41) = 12y - 52$	Combine Like terms! $5y + 3x + 6 - 2y - 4x - 5$
Work:	Work:	Work:
Solution/ Value/Color:	Solution/ Value/Color:	Solution/ Value/Color:

II. You've got personality! Select 4 words that describe the qualities of your super hero! Give each word a power rating! Each power rating must be different. The total power rating of all the words must have a sum of 25! Fill in the array below to represent your power ratings! Then, chart the information!

Word	Synonym	Power Rating	Fraction	GCF	Reduced Fraction	Decimal	Percent
	XXXXX	25	25/25	XX		1.0	100

Name:

Grade:

Date:



Action Math 2013 Project Assessment



III. Home Sweet Home! Complete a diagram of the area that will be used to make a headquarters for your super hero.

Name of Headquarters:		
Length (Scale = 1cm= 12 ft)	Width	Height
$Length = 84\text{ ft}$ $\underline{\quad}\text{ cm} = \underline{\quad}\text{ cm}$ $\underline{\quad}\text{ ft} = \underline{\quad}\text{ ft}$	$Width = 24\text{ ft}$ $\underline{\quad}\text{ cm} = \underline{\quad}\text{ cm}$ $\underline{\quad}\text{ ft} = \underline{\quad}\text{ ft}$	$height = 24\text{ ft}$ $\underline{\quad}\text{ cm} = \underline{\quad}\text{ cm}$ $\underline{\quad}\text{ ft} = \underline{\quad}\text{ ft}$
Shade 6 squared centimeters		
Fraction = _____	Reduced Fraction _____ (_____) GCF = _____	
FIND: Perimeter = total length in cm	FIND: Area= width X length in cm^2	FIND: Volume= width X length X height in cm^3

IV. Make an "impression"! Complete properties of a circle. Use the circle to represent the face of your action hero

Property	Answer	Color
diameter =		
radius =	3 cm	
area= <small>(pi x radius squared)</small>		
circumference <small>(pi x diameter)</small>		
chord		
tangent		
Draw the circle to the right!:		

Name:

Grade:

Date:

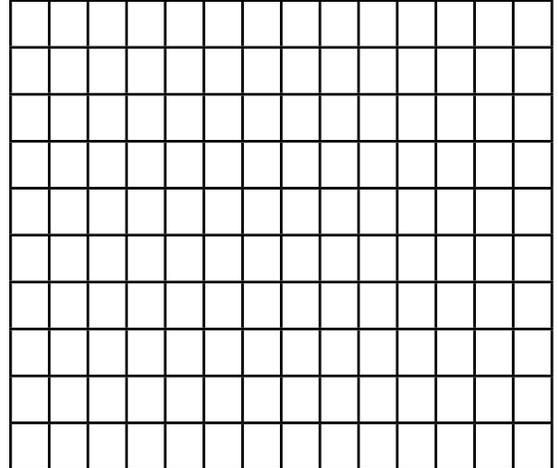


Action Math 2013 Project Assessment



V. The landing! Figure out the slope of your action figures landing from the sky! Complete the chart below and graph the flight!

Graphing Linear Equations!! $Y = Mx + B$	
Solve in slope y intercept form: $4+2y= 4x + 8$	
y intercept =	
Slope=	Rise =
	Run=
Points on the line: (x,y)	(____,____), (____,____), (____,____)
Graph the Line	

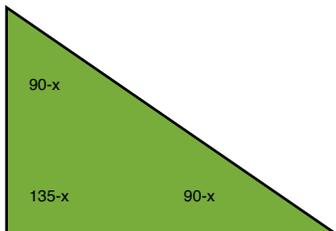


VI. Have no Fear! Super _____ is here! Solve this dramatic situation!

In booming metropolis of Fond du lac, Wisconsin a pet frenzy broke out! 80 pets broke free from their owners and headed to the streets! Two fifths of those pets were cats! While one fourth of the pets were dogs. .1 of the pets were hamsters. The remaining pets were split between birds and and goldfish! Be a hero and find the missing data below!

Cats=	Dogs=	Hamsters=	Birds=	Goldfish=
Mode=	Mean=	Range=	Median=	Outlier=

VII. What's your angle on the situation! Write an equation for the triangle below! Balance and solve for x!



Name:

Grade:

Date: