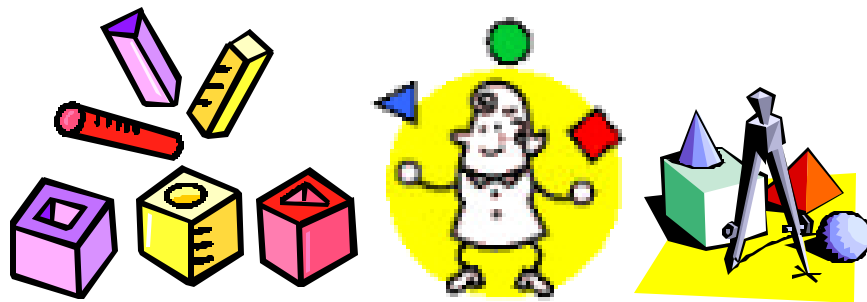


Task : ALL IS NUMBER

Villano has become very crowded and as junior architects you have been chosen to design a new school for innovative teachers. This school will be built in honor of Pythagoras. This school will be the new math and science building and it needs to reflect those concepts. The school must include enough space to house 700 students, administrators, and specialists. You will need to be aware of the square footage to complete your blueprint. As students, your job is to be creative as well as practical while designing this new structure.



Indicators	Novice (1)	Apprentice (2)	Practitioner (3)	Expert (4)	Total
Blueprint Plane Figures	<ul style="list-style-type: none"> Four Plane shapes Perimeter 	<ul style="list-style-type: none"> Five Plane shapes plus 1 Quad. Perimeter Area of a Quad. or Triangle 	<ul style="list-style-type: none"> All 6 Plane shapes plus 2 Quadrilaterals Perimeter Area of Quad. & Triangle 	<ul style="list-style-type: none"> Area of Combined Shapes 	
Blueprint Triangles	<ul style="list-style-type: none"> Uses 4 out of the 6 Triangles 	<ul style="list-style-type: none"> Uses 5 out of the 6 Triangles 	<ul style="list-style-type: none"> Equilateral Isosceles Scalene Acute Obtuse Right 	<ul style="list-style-type: none"> Explain the Pythagorean Theorem and how it relates to your blueprint. 	
Angles	<ul style="list-style-type: none"> Creates 4-5 out of 8 Angles 	<ul style="list-style-type: none"> Creates 6-7 out of the 8 Angles 	<ul style="list-style-type: none"> Right Acute Obtuse Vertical Horizontal Supplementary Complementary Straight Angle 	<ul style="list-style-type: none"> Explain Congruency Rules and how they relate to the blueprint. 	
Symmetry	Attempts to recognize shapes	<ul style="list-style-type: none"> Congruent Shapes OR Similar Shapes 	<ul style="list-style-type: none"> Congruent Shapes Similar Shapes 	<ul style="list-style-type: none"> Find Vertical & Horizontal Lines of Symmetry within your Structure. 	
Lines	<ul style="list-style-type: none"> 3 out of 6 Lines are shown and labeled. 	<ul style="list-style-type: none"> 5 out of 6 Lines are shown and labeled. 	<ul style="list-style-type: none"> Parallel Perpendicular Ray Line Line Segment Midpoint Point 	<ul style="list-style-type: none"> All elements shown and labeled. 	
Blueprint/ Explanations	<ul style="list-style-type: none"> 5 things are labeled on blueprint Create a Map/Legend 	<ul style="list-style-type: none"> Scale Measurement Create a Map/Legend Most of blueprint is labeled 	<ul style="list-style-type: none"> Create Map/Legend Scale Measurement Use Math statements to explain reasons and prove your model. Label everything 	<ul style="list-style-type: none"> Creates a realistic blueprint. (RESEARCH) 	