

**\*\*Rubrics\*\***

**Task #1:**

<b>Criteria</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>
Identify properties of 3-D figure	None	1 Correct	2 Correct	All are Correct
Cereal box built correctly	No	Yes		
Box design	None	Has a title and design, but shows little effort	Has a title, creatively designed, and is colorful	

Total Score \_\_\_\_\_ / 6

**Task #2:**

<b>Criteria</b>	<b>0</b>	<b>1</b>	<b>2</b>
Made prediction about cereal box volume in question #1 and #2	Made 0 to 1 prediction	Made prediction for both	
*Used convincing arguments in question #1	Did not give explanation	Gave explanation, but did not use the properties	Gave explanation using the properties
*Used convincing arguments in question #3	Did not answer the question	Chose a best design, but gave little to no justification	Chose a best design and gave sufficient justification

Total Score \_\_\_\_\_ / 5

**Task #3:**

<b>Criteria</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>
Measure of Dimensions	None measured correctly	1 measured correctly	2 measured correctly	3 measured correctly
Base Area	Did not calculate or used incorrect variables	Used correct formula, variables, and answer		
Surface Area	Did not calculate or used wrong process	Used correct process, but found incorrect answer	Used correct process to get the right answer	

Total Score \_\_\_\_\_ / 6

**Task #4:**

<b>Criteria</b>	<b>0</b>	<b>1</b>	<b>2</b>
Calculate cost of materials	None are calculated correctly	1 calculated correctly	Both calculated correctly
*Used constructive thinking to choose material	Did not answer the question or poor explanation of material choice	Chose material and gave a satisfactory explanation	Chose material and gave thorough explanation

Total Score \_\_\_\_\_ / 4

**Task #5:**

<b>Criteria</b>	<b>0</b>	<b>1</b>	<b>2</b>
Used correct variables	No	Used 1 correct variable	Used 2 correct variables
Calculated Volume	Did not calculate	Used correct variables, but calculated correctly	Calculated correctly

Total Score \_\_\_\_\_ / 4

**Task #6:**

<b>Criteria</b>	<b>0</b>	<b>1</b>	<b>2</b>
Pyramid	Did not answer or used incorrect formula	Used correct formula, but found incorrect answer	Used correct formula and found correct answer
Sphere	Did not answer or used incorrect formula	Used correct formula, but found incorrect answer	Used correct formula and found correct answer
Cylinder	Did not answer or used incorrect formula	Used correct formula, but found incorrect answer	Used correct formula and found correct answer
Cone	Did not answer or used incorrect formula	Used correct formula, but found incorrect answer	Used correct formula and found correct answer
Chose most cost effective cereal	No	Yes	

Total Score \_\_\_\_\_ / 9

**Task #7:**

<b>Criteria</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>
Calculated total cost to produce cereal box	Did not calculate		Calculated correctly	
*Constructed convincing arguments regarding the selling price	Did not answer	Chose price, but gave no support of argument	Chose price, but gave weak support of argument	Chose price and gave strong support of their argument

Total Score \_\_\_\_\_ / 5

**Task #8:**

<b>Criteria</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>
Evaluated each group	Did not evaluate all groups	Evaluated all groups		
Calculated mark-up price	Did not calculate an groups' mark-ups	Calculated some of the groups' mark-ups	Calculated all the groups' mark-ups	
*Constructed convincing arguments for each groups' product	Did not comment on most of the groups	Made only "yes" or "no" comments on most to all groups	Made comments with little support	Made comments with support and suggestions

Total Score \_\_\_\_\_ / 6

**Task #9:**

<b>Criteria</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>
Reflection on peer evaluations	Did not answer	Gave a basic reflection or didn't use peer feedback	Gave a fair reflection considering peer feedback	Gave a good reflection using the peer feedback to evaluate their product
*Constructed convincing arguments to choose a group's product	Did not answer or chose without any explanation	Chose a product and gave a weak explanation	Chose a product and gave an explanation with strong justification	

Total Score \_\_\_\_\_ / 5

**Total Project Score:** \_\_\_\_\_ / 50