



Advanced Manufacturing & Prototyping Integrated to Unlock Potential

7th Grade Math Processes Board Game Piece Challenge

Part #	Part Description	Part Included in Class Set #	Number of parts per teacher		Cost	Size	Visibility	Stability
1	Right Triangular Prism	2 & 4	4		\$4.50			
2	Right Triangular Prism 2	1	2		\$3.50			
3	Right Triangular Prism Tall	3 & 5	4		\$0.80			
4	Cylinder	2 & 5	4		\$9.07			
5	Cylinder 2	1 & 3	4		\$11.30			
6	Cylinder Tall	4	2		\$1.26			
7	Parallelogram Prism	4 & 5	4		\$8.09			
8	Parallelogram Prism 2	2 & 3	4		\$8.98			
9	Parallelogram Prism Tall	1	2		\$1.44			
10	Equilateral Triangular Prism	1	2		\$3.90			
11	Equilateral Triangular Prism 2	4 & 5	4		\$4.33			
12	Equilateral Triangular Prism Tall	2 & 3	4		\$0.69			

Total number of parts per teacher: 40

One Class Set Per Teacher

Quantity of Class Set Bags	Class Set # (Bag #)	Parts Inside of Bag (Use part numbers from above.)
2	1 <i>Recommended for Advanced Students</i>	2, 5, 9, 10
2	2	1, 4, 8, 12
2	3	3, 5, 8, 12
2	4	1, 6, 7, 11
2	5 <i>Recommended for Remedial Students</i>	3, 4, 7, 11

Total of 10 bags – 2 sets of each class set bag – 4 parts inside of each bag