

K'Nex Tower Challenge

**Task:** Build the tallest possible free-standing tower out of K'Nex.

**Constraints:**

- Towers may not be connected to or supported by any objects.
- Towers must be constructed from the provided K'nex building materials.
- K'nex building materials must be purchased according to the price chart below.
- Each group has only \$10.00 to spend on building materials.
- Each group may only make two visits to the supply station to purchase K'nex pieces.
- Groups may not return, exchange, or sell building materials.
- Each group must submit a blueprint before beginning construction.

Purchase Order 1				Purchase Order 2			
Type of piece	Price per piece	Number of pieces	Total price	Type of piece	Price per piece	Number of pieces	Total price
Gray rod	\$0.25			Gray rod	\$0.25		
Red rod	\$0.15			Red rod	\$0.15		
Yellow rod	\$0.10			Yellow rod	\$0.10		
Blue rod	\$0.05			Blue rod	\$0.05		
White rod	\$0.02			White rod	\$0.02		
Green rod	\$0.01			Green rod	\$0.01		
White connector	\$0.05			White connector	\$0.05		
Red connector	\$0.03			Red connector	\$0.03		
Green connector	\$0.03			Green connector	\$0.03		
Yellow connector	\$0.03			Yellow connector	\$0.03		
Orange Connector	\$0.02			Orange Connector	\$0.02		
Tan connector	\$0.01			Tan connector	\$0.01		
Gray connector	\$0.01			Gray connector	\$0.01		
Purchase Order 1 TOTAL:				Purchase Order 2 TOTAL:			
Amount left to spend:				Amount left to spend:			