

Field Log - Choose the Building Material

Step 1:

Dr. Wick has come up with three options to use as the base of his floating golf course. The three options in the table below all have different prices. Find out how much it will cost to cover Dr. Wick's entire golf course in each option. Write the total cost at the bottom of each column. **Remember:** the area of Dr. Wick's course was **121,600 square miles!**

Option 1	Option 2	Option 3																								
<div> Klimas Kelp</div>	<div> Agent W</div>	<div> Wood and Rope</div>																								
<table><tr><td>Starting Cost</td><td>\$0</td></tr><tr><td>Cost per Square Mile</td><td>\$100</td></tr><tr><td>Additional Cost</td><td>\$0</td></tr><tr><td>Maintenance</td><td>\$7,000,000</td></tr></table>	Starting Cost	\$0	Cost per Square Mile	\$100	Additional Cost	\$0	Maintenance	\$7,000,000	<table><tr><td>Starting Cost</td><td>\$10,000,000</td></tr><tr><td>Cost per Square Mile</td><td>\$74</td></tr><tr><td>Additional Cost</td><td>\$0</td></tr><tr><td>Maintenance</td><td>\$1.25 per square mile</td></tr></table>	Starting Cost	\$10,000,000	Cost per Square Mile	\$74	Additional Cost	\$0	Maintenance	\$1.25 per square mile	<table><tr><td>Starting Cost</td><td>\$0</td></tr><tr><td>Cost per Square Mile</td><td>\$47.75</td></tr><tr><td>Additional Cost</td><td>\$5,500 per 100 square miles</td></tr><tr><td>Maintenance</td><td>\$550 per 10 square miles</td></tr></table>	Starting Cost	\$0	Cost per Square Mile	\$47.75	Additional Cost	\$5,500 per 100 square miles	Maintenance	\$550 per 10 square miles
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Be sure to show your work for each option here:

Klimas Kelp

Agent W

Wood and Rope

Step 2:

Order the three options from most expensive to least expensive.

Most Expensive

Least Expensive

Sum it Up:

Make a list of the math terms or formulas you used to decide which option is most expensive.