NAME .....

9-10 ACTIVITY

Writing Linear Equations, communicating and connecting what we know about kedging

Verbal

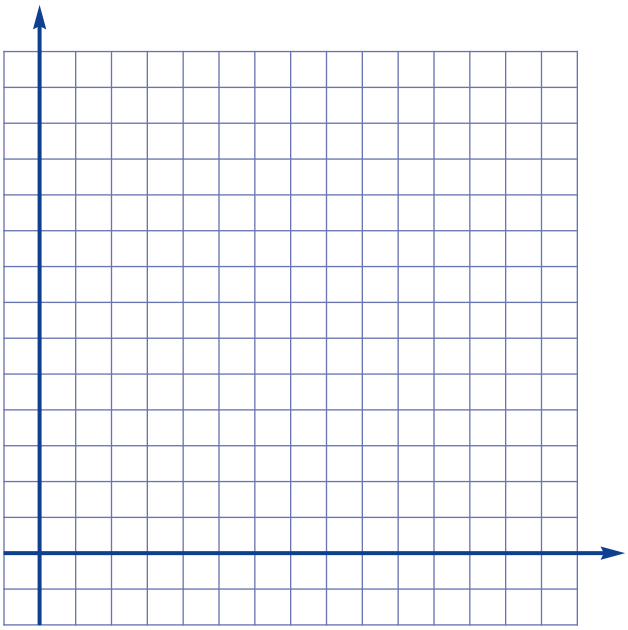
The technique of kedging results in a horizontal change of 650 feet for each drop of an anchor.

Fill out the table and then use those values to draw a graph.

Table

# of Kedges	Total Distance
0	_____
1	_____
2	_____
3	_____
4	_____
5	_____
6	_____
7	_____
8	_____

Graph



Analysis

1. How far would *Constitution* travel on 12 kedges?

2. Write an equation to represent the situation. Use *D* to represent total distance and *n* to represent number of kedges.

3. If *Constitution* traveled 30 miles using this technique, how many times did they kedge?