Digging Dinosaurs

Level D

The following problems involve a linear relationship.

You are going on an expedition to dig for dinosaur fossils. In digging, you come across a small trunk left by another archeologist. In the trunk is a paper that lists how deep you need to dig to reach dinosaur fossils. Unfortunately, something spilled on part of the paper and it is damaged.

Years ago by thousands	Feet to Dig
10,000	14
20,000	22
30,000	30
40,000	
70,000	

Using your knowledge of mathematics, find the missing numbers in the chart. Write a generalization or rule to determine the number of feet you must dig given the number of years.

If the Jurassic period was 200 million years ago, how deep would you need to dig at this location to uncover fossils of that era? Explain why your answer is or is not reasonable.