



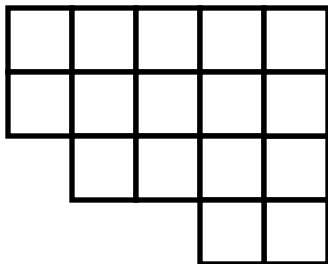
Math Connections

Happy Winter Break! Keep your skills sharp by practicing math and science during your time off.

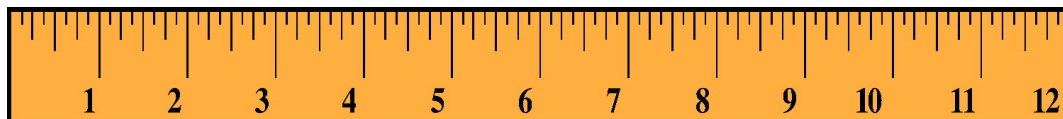
Name: _____ Date: _____

1. A paleontologist (a scientist who studies prehistoric life forms through their fossils, bones, etc.) is setting up a dig site to search for fossils. He marked off an area of land similar to the picture below. Find the perimeter and area of the dig site.

Perimeter: _____ feet Area: _____ square feet



2. Measure the length of the fossil to the nearest $\frac{1}{2}$ inch.



3. What would be the most reasonable mass for the fossil of the fish in question 2?

A. 12 kg B. 12 g



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4. Lindsey's science class is observing fossils. Her teacher has set up seven tables with six examples of fossils on each table. How many fossils will the students get to observe if their teacher lets them go to each table? _____ fossils

5. The local science museum just received 72 new fossils to share with the public. If they arrange an equal number of fossils in eight display cases, how many fossils will be in each case? _____ fossils

6. The Megalodon was an ancient species of shark. The largest Megalodon fossil was 59 feet long. If 20 of these fossils were lined up, how long would all of the Megalodon fossils be? _____ feet

7. Based on the fossils, one of the smallest mammoths was estimated to weigh 680 pounds. Round the number 680 to the nearest hundred. _____ pounds

8. Mrs. McGee's science class is making their own fossils. She has a total of 48 objects with which to make the fossils. If each student chooses two objects, how many students are in Mrs. McGee's class? _____ students