

9-12 Mathematics SCAVENGER HUNT



At the local drug store, a toothbrush that costs \$.10 in 1962 now costs \$1.50. Using the same rate of inflation, how much would a package of 15 Barbasol razor blades cost today?

CRACKER JACK EXHIBIT, Mezzanine Level

If all the Cracker Jacks ever sold were stacked end-to-end how many times would they wrap around the Earth?

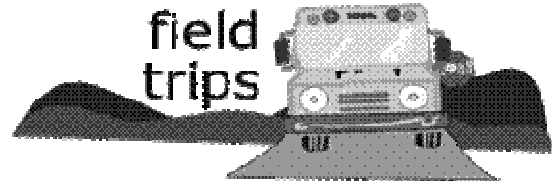
Considering that the Earth's circumference is approximately 25,000 miles, how many feet would the Cracker Jack's occupy? How many inches?

Poseidon watches over the water cannons at a height of 25 ft. Suppose his shadow extends outwards over the cannons. If a light shines downward from behind Poseidon at a 60 degree angle, what is the length of his shadow?



What is the distance from the top of Poseidon's head to the tip of his shadow?

Find the exhibit that describes buoyancy. See if you can make the diver neutrally buoyant. How is this state occurring?



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If you were to choose two rockets at random to discuss in class from the ones depicted, what is the probability that you would pick the Mercury Redstone and the Molniya?

FOUCAULT PENDULUM

Using the information provided on the sign at the exhibit, determine the height of the pendulum.