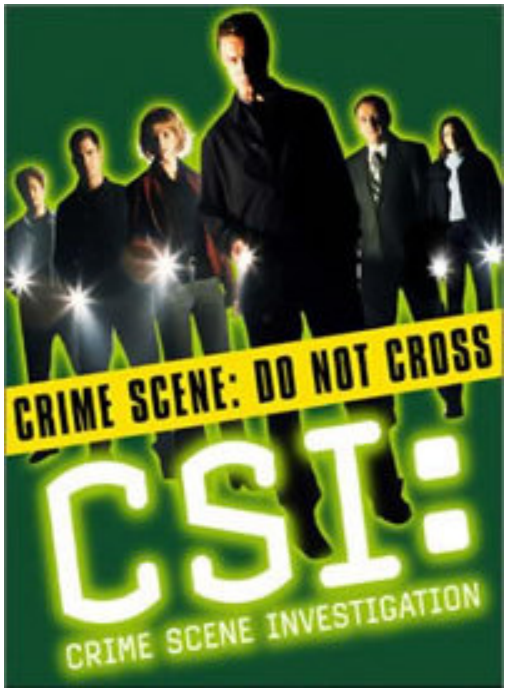
CSI: Devine
The Case Of The Popsicle



The Situation:

There are four missing first place ribbons during Devine's Track and Field day. The ribbons were being kept in Mrs. Lounsbury's office. It was Mrs. Lounsbury's job to guard the ribbons during the day.

When Robert arrived at Mrs. Lounsbury's office, he discovered that there were four missing ribbons and a half melted Popsicle. He quickly poured the liquid from the orange Popsicle into a beaker and found that 40ml had melted.

Mrs. Lounsbury said that she had just stepped out to go to the washroom, is she telling the truth? Will she need to replace the ribbons that were stolen? Is your favourite Popsicle red, purple or orange?

The Science:

ρ When at room temperature, a Popsicle will melt at a rate of 1 ml every 2 minutes.

The Job:

Fill in the following chart and then make a graph of the results. Then predict if Mrs. Lounsbury is telling the truth or if the evidence helping to prove her wrong.

Time	Amount Melted
0	0 ml
2	
4	