

Design a Delayed-Release Tablet Score Card

Student team: _____

Record the Color Release Timing

When the starting signal is given, start the stopwatch immediately. At the same time, have one team member drop the tablet into the water. Observe the tablet carefully and write down the exact time that the color is released. Color release is defined as the time at which you see the color first leaking out of the tablet wrapping and into the water surrounding the tablet (NOT the time at which the tablet dissolves inside the wrapping). Even small streaks or bubbles of color that you can see count.

Please write down the exact times of color release for each color in the m:ss column (e.g., 90s is 1:30)		
	Time [m:ss]	Time [seconds]
Yellow		
Red		
Blue		

For any color that was not released during the competition, please write down five minutes (5:00), which is the total competition duration. After the competition, convert the time from the m:ss format into seconds and write the results in the table.

Calculate the Final Tablet Score

Fill in the numbers (in seconds) from the previous table. If a color was not released in time, write the number 225 as a result.	
Yellow	30 seconds — _____ = _____ (a)
Red	90 seconds — _____ = _____ (b)
Blue	180 seconds — _____ = _____ (c)

Total Tablet Score = 700 — _____ — _____ — _____ = _____
(a) (b) (c)