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Analyzing the Effectiveness of Various Whiteboard Cleaners

The purpose of this investigation was to determine if different type of whiteboard cleaners affect the amount of residue left on the whiteboard. I hypothesize that Expo had more residue left on the whiteboard compared to other cleaners. This experiment involved cutting 12, 6 inch by 4 inch boxes on a whiteboard size (2 feet by 3 feet) card stock and taping the card stock on the board. Then coloring the whiteboard with a dry erase marker in the boxes cut out. Then we waited 2 days for the marker to dry. Once dried, then spray the cloth with a testing cleaner and wipe away the marker with only 1 wipe. The residue left on the whiteboard was measured by a Lux Meter. The data collected did support the original hypothesis. Based on the evidence, it is reasonable to conclude that Windex was the best whiteboard cleaner because it had the highest average 'Percentage Change in Light Reflection Value'(93.61%), meaning that it left the least amount of residue on the whiteboard. 'H₂O + Vinegar' solution was the cheapest alternative cleaner and was very close to Windex in performance. The average 'Percentage Change in Light Reflection Value' for Expo (the store bought cleaner) was only 62.98%.