Static electricity investigation

This task is about critiqing the method used in an investigation.

Sandra did an experiment with static electricity. She ran a comb through her hair ten times and then held it over a pile of small pieces of paper.

She counted the number of pieces the comb picked up. She repeated the experiment three times. Her results were:

Trial	Number of pieces of paper picked up
1	3
2	7
3	5

a)) She noticed her results varied quite a bit.		
	To make her experiment as fair as possible what is the best thing for her to d	do n	ext?

0	Take another reading and see which of the three trials it is nearest.
0	Repeat the experiment with another comb.
0	Choose the highest reading.
0	Do the experiment several more times and average the readings.
0	Calculate the average of the three readings.

b) Which of the following factors is most likely to increase the fairness of Sandra's test?

O Possible changes in atmospheric conditions
O Static electricity building up throughout the experiment
Sandra's decision to comb her hair a set number of times before each trial
O Changing the distance Sandra held the comb above the paper
Varying the shape of the pile of paper

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