

Lab Report

Problem:

Which brand of paper towels out of four unknown brands absorbs the most water?

Hypothesis:

Based on initial inspection of the paper towel sheets, I predict brand ___ will absorb the most water.

Materials used: **Be specific

four unknown paper towel brands, scissors, ruler, beaker, water, dropper

Summary of procedure: **Be specific

1. On brand A paper towel, measure a 5 cm x 5 cm square. Cut out the square.
2. Repeat for brands B-D.
3. Fill beaker with water.
4. Using dropper, count the number of drops of water paper towel brand A will absorb. When it is completely saturated, record the number of drops in the data table.
5. Repeat step 4 for brands B-D.

Data and Observations:

Name
Date
Period

brand	Name (location)	# drops	Cost	# sheets per roll	# ply	# sq ft
A	Pom (Sam's)		\$0.88 \$0.013	100	2	67.22
B	Publix extra absorbent		\$1.00 (on sale) \$0.014	105	2	70.5
C	Bounty (Target)		\$1.99 \$0.068	42	2	29.1
D	Member's Mark (Sam's)		\$1.25 \$0.017	154	2	70.5

Conclusion: **This answers the problem statement or question using complete sentences.

Based on my data, my hypothesis was (supported/not supported). Brand A absorbed ____ drops, brand B absorbed ____ drops, brand C absorbed ____ drops, and brand D absorbed ____ drops. Out of four unknown brands being tested, brand ____ (name of pt) was the most absorbent.

Analysis Questions: Answer these questions on your paper as part of the Analysis Questions section of your lab report. Use complete sentences.

1. Did all of the paper towel brands absorb equal amounts of water?
2. If one brand of paper towels absorbs more water than the others, can you conclude that this is the towel you should buy? Explain why or why not.
3. What parts of the scientific method did you use?

During this investigation, the parts of the scientific method we used were: ----

4. Draw a bar graph of the four brands you tested and the number of drops each one held. **This will be stapled to your lab report. Be sure to label both axes, give your graph a title, and be neat. Follow rules for graphing: use a ruler and pencil, appropriate scale, evenly spaced intervals, use the entire graph - don't squish it up into the corner.