of oil. He used the following amounts of oil: 5 ml, 10 ml, 20 ml, and 30ml. He used the following amounts of oil: 5 ml, 10 ml, 20 ml, and 30ml. He used the following amounts of oil: 5 ml, 10 ml, 20 ml, and 30ml. control. He conducted the test 3 times for each amount of oil. He then counted the number of kernels that ha time he heated the oil for 2 minutes and cooked the popcorn for 4 minutes. Important Aspects of Design Outline: Independent Variable: Levels (treatments) of I.V.: Number of trials for each level (treatment): Dependent Variable:____ Scenario 1 Data Table- Title The effect of increasing the amount goil on the number of # of piocorn learnals properly Average # do poocorn bornals Oil (mL 5 10 20 30 Scenario 2: Susan wondered if the height of a hole punched in the side of a milk carton would affect how far from the contain would spurt when the carton was full of liquid. She thought that the higher the hole in the container, the further the squirt. She used 4 identical cartons and punched the same size hole in each. The hole was placed at a different height containers. The height of the holes varied in increments of 5 cm, ranging from 5 cm to 20 cm from the base of the containers. carton with the hole placed 5cm up was used as the control. She put her finger over the holes and filled the cartons amount of water. When each carton was filled to the proper level, she placed it in the sink and removed her finger. metric ruler, Susan measured how far away from the carton's base the liquid had squirted when it hit the bottom or Susie repeated this procedure 3 times. Important Aspects of Design Outline: Independent Variable:__ Levels (treatments) of I.V .: _ Number of trials for each level (treatment): Dependent Variable:__ distance liquid would Scenario 2 Data Table - Title The effect of hole punch height in a cartoon on distance hole punch height distance liquid squired (cm) Average distance liquid Squired Co (cm) 5

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