Name _____

Date _____ Pd_____

FRUIT LOOP LAB

Use your understanding of ratios to explore, compare, and predict using fruit loops.

QUESTION: In a box of fruit loops, how do the numbers of each color compare?

HYPOTHESIS:

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MATERIALS: Data Sheet, Pencil, Fruit Loops, Plastic Bag

PROCEDURE:

1. Count the total number of fruit loops; record
2. Separate the fruit loops by color
3. Record the number of fruit loops by color
4. Write in words the two things you are comparing
5. Compare the number of each color to the total number of fruit loops; record that information in the table
6. For each color, create an equivalent ratio with a total of 100
7. For each color, create an equivalent ratio with a total of 1000

PRE-LAB INFORMATION AND QUESTIONS:

Based on the procedure, predict how you will use this information to answer the question.

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Describe the process for finding equivalent ratios.

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DATA:

	COLOR COUNT	RATIO LABELS	RATIO	EQUIVALENT RATIO	EQUIVALENT RATIO
RED		<u>RED</u> TOTAL			
YELLOW					
GREEN					
PURPLE					
BLUE					
ORANGE					

POST-LAB QUESTIONS:

How does your initial ratio of green to total compare to orange to total? Explain what this means.

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Which color was most represented? Least represented?

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Based on the experiment, what could you expect to happen to the number of red fruit loops if you were given another scoop?

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What could you expect to happen to the number of yellow fruit loops if the number of fruit loops is decreased?

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CONCLUSIONS:

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