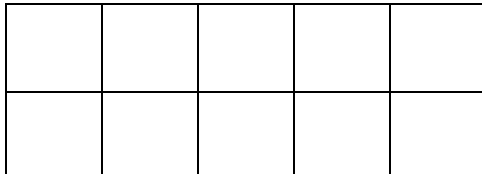


Name: \_\_\_\_\_  
Date: \_\_\_\_\_

Skittle Core Activity  
Population Density

1. Draw four grids on a piece of graph paper with each containing two rows and five columns.



Each grid will contain ten spaces.

2. Record the **population density** (nearest cm) for each cake used in the “Skittle Core Activity”.

Cake: 1: \_\_\_\_\_, Cake 2: \_\_\_\_\_, Cake 3: \_\_\_\_\_ Cake 4: \_\_\_\_\_

3. Let’s Practice: If Population Density = 0.3, then write three-tenths as a decimal (0.3) and then as a fraction ( \_\_\_\_\_ ).

4. Next, take three skittles and arrange on the grid on this page to represent three skittles per unit of space. This unit represents tenths (10 parts).

Did the skittles cover the grid? \_\_\_\_\_

5. Compare Data: Please note the population density for each cake, and then place the skittle equivalent on the grid above. Document the data by drawing the skittles and record the decimal and fraction equivalent on the grids on the graph paper.

6. After you finish the grid drawings for the population density of each cake, compare each grid.

7. What did you notice? \_\_\_\_\_

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