Name _____

The Incredible Changing Price (Part 1)

A thinkLaw Math Lab Warm-Up

1. John surveys his class about their favorite foods, as shown in the table. Decide what type of graph is the best to display this data.

Favorite Food	
Hot Dogs	5
Pizza	7
Salad	6
Hamburger	3
Chicken	8

Write a question about your graph:

_____

2. Juan asks some students in his school a question, and then he records the responses. He decides that a line plot is the best way to display his data.

   Which question could Juan have asked?

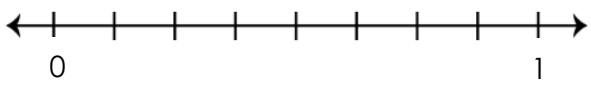
   A. What is your age?

   B. What street do you live on?

   C. Do you have more than two pets?

   D. What is your favorite subject in school?

3. Emily is conducting an experiment where she measures the water in three identical beakers labeled A, B, and C. Record her measurements $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ on the line plot.



She wants to redistribute the total amount of water in all the beakers equally among them. How much water would each beaker contain after the redistribution?

4. You can represent data in different ways: bar graph, line graph, pie chart, scatter plot, line plot. Why do we have different ways to represent data?

_____

_____

_____

HI•FIVE CULTURAL CURRICULUM THINK LAW

Name _____

The Incredible Changing Price (Part 1)

A thinkLaw Math Lab Cool-Down

1. Stella surveys his class about their favorite colors, as shown in the table. Decide what type of graph is the best to display this data.

Favorite Food	
red	7
blue	2
green	5
yellow	9
purple	4

Write a question about your graph:

_____

2. Mateo asks some students in the science fair a question, and then he records the responses. He decides that a line plot is the best way to display his data.

   Which question could Mateo have asked?

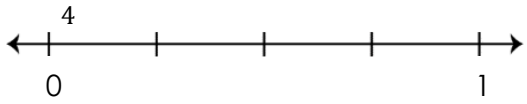
   A. What was your experiment?

   B. What's your favorite subject?

   C. How many hours of sunlight did your plant receive?

   D. How many books have you read this month?

3. Sarah is conducting an experiment where she measures the heights of three identical plants labeled Plant A, Plant B, and Plant C. She records the heights as $\frac{1}{2}$, 1and $\frac{3}{4}$ on the line plot.



She wants to redistribute the total amount of sunlight each plant receives equally among them. How much sunlight would each plant receive after the redistribution?

4. Which type of graph is the easiest to communicate information?

_____

5. How did going through this lesson change your perspective on the importance of being able to represent data in different ways?

_____

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