

NCTM Content Standards Assessment Rubric

Data Analysis and Probability

Student's Name: _____ Assignment: _____ Level: _____

	Level 1	Level 2	Level 3	Level 4
Formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them	<ul style="list-style-type: none"> Demonstrates a limited ability to formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them 	<ul style="list-style-type: none"> Demonstrates a basic ability to formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them 	<ul style="list-style-type: none"> Demonstrates a good ability to formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them 	<ul style="list-style-type: none"> Demonstrates a thorough ability to formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them
Select and use appropriate statistical methods to analyze data	<ul style="list-style-type: none"> Demonstrates a limited ability to select and use appropriate statistical methods to analyze data 	<ul style="list-style-type: none"> Demonstrates a basic ability to select and use appropriate statistical methods to analyze data 	<ul style="list-style-type: none"> Demonstrates a good ability to select and use appropriate statistical methods to analyze data 	<ul style="list-style-type: none"> Demonstrates a thorough ability to select and use appropriate statistical methods to analyze data
Develop and evaluate inferences and predictions that are based on data	<ul style="list-style-type: none"> Demonstrates a limited ability to develop and evaluate inferences and predictions that are based on data 	<ul style="list-style-type: none"> Demonstrates a basic ability to develop and evaluate inferences and predictions that are based on data 	<ul style="list-style-type: none"> Demonstrates a good ability to develop and evaluate inferences and predictions that are based on data 	<ul style="list-style-type: none"> Demonstrates a thorough ability to develop and evaluate inferences and predictions that are based on data

STRENGTHS:

WEAKNESSES:

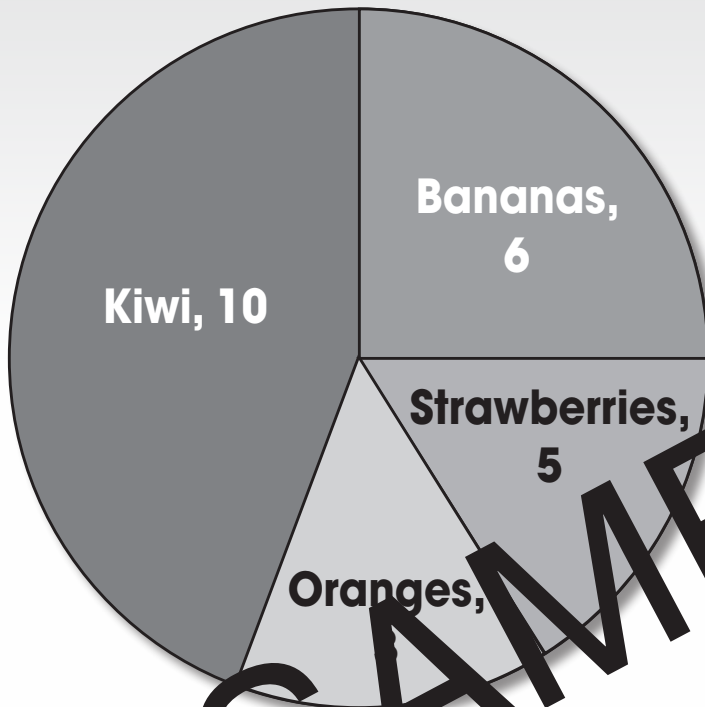
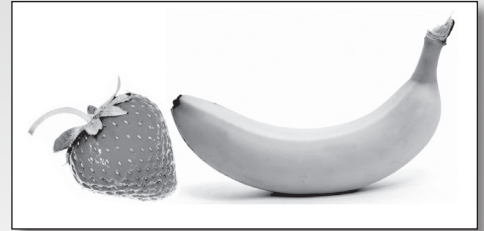
NEXT STEPS:

SAMPLE



Task Sheet 5

5) Using the information in the circle graph below, answer the following questions:



SAMPLE

a) Are there more oranges or kiwi?

b) How many more bananas are there than strawberries?

c) How many fruits were eaten altogether?

Reflection



Try this with your class and follow the instructions below. What connections can you make?

1. Compare fruits eaten from day to day.
2. Create a class chart for the fruits eaten.
3. Compare other snacks eaten in a day.
4. Chart fruit and vegetables eaten.



Review A



Ask your classmates the following question: How do your they fasten their shoes?

Fill out the tally chart with the information gathered from the question above, then graph the information in the bar chart below.

Lace	Velcro	Button

Lace	Velcro	Button

SAMPLE

a) What information can you gather from the graph above?

b) What style of shoelace fastener is the most popular among your classmates? What style is the least popular?

c) How many classmates fasten their shoelace in the same manner as you?

Create a Spinner



Create a spinner for use in a game.

Predict the outcome.

When we play, _____
will come in first.

When we play, _____
will come in second.

When we play, _____
will come in third.



SAMPLE

How did you make your game?

What strategy did you use to play your game?
