

Name _____

Date _____

Pie or Circle Graphs - Step-by-Step Lesson

Make a pie graph for the data below. Label sections by coloring each section of graph and creating a key.

| Favorite Fruit | Votes | Color |
|-----------------------|--------------|--------------|
| Banana | 6 | Green |
| Blackberry | 7 | Blue |
| Coconut | 3 | Yellow |
| Guava | 4 | Red |

Explanation:

A pie or circle graph is based on the concept of percentage of the whole. It displays the % contribution of each piece of data towards the whole.

Step 1) Determine the total number of votes. Find the sum of all vote:

$$6 + 7 + 3 + 4 = 20$$

Step 2) Determine the percentage each piece of data contributed towards the whole.

$$\text{Bananas} = 6/20 = 30\%$$

$$\text{Blackberries} = 7/20 = 35\%$$

$$\text{Coconuts} = 3/20 = 15\%$$

$$\text{Guavas} = 4 /20 = 20\%$$

Step 3) Draw the pie graph.

If we think of the graph like a pizza pie, it makes it easier to understand. Each part of the graph will take up the above percentages of the pie. Slice up your pie to display this.



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