

Drink Survey Project

6th grade

1. Following the directions given, complete the Drink Survey table.
2. Instruct the students to construct a bar graph on the worksheet provided. Advise each group to make bars 2 squares wide, and use markers to color each bar a different color.
3. On a half-sheet of 1-inch grid chart paper, create a bar graph by cutting apart one group member's colored strips.
4. Select another student's graph to be cut apart to create the circle graph.
5. Cut the 2-inch wide bars one inch longer than the total for each category.
6. Tape the strips together with the colored sections touching; making sure the colored sections meet with no white tab showing and no color overlapping.
7. Fold the new multi-colored strip in half lengthwise. Fold so that the colored part is on the outside.
8. Bring the ends together lapping the colored end over the uncolored tab. Tape to form a circle.
9. Estimate the diameter of the circle. (This can be done by using the circumference formula or by dividing the length of the strip by three.)
10. Tape the circle on the top of the 1-inch grid chart paper.
11. Mark the center of the circle and the places on the circumference where the color of the bars changes. Connect the center to each of the marks on the circumference. Color each section the same color as the corresponding bar.
12. Label each part of the circle graph with the fraction and percent.