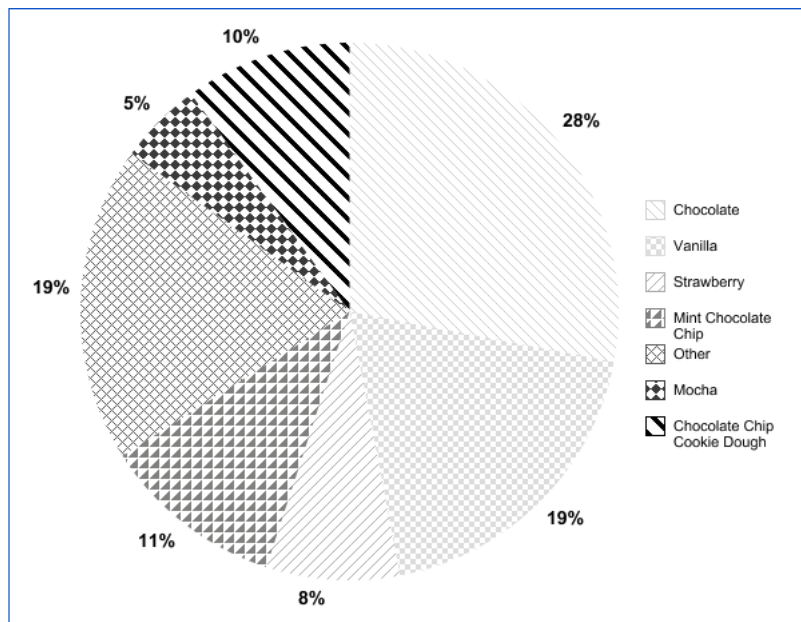




3.6 Pie Charts

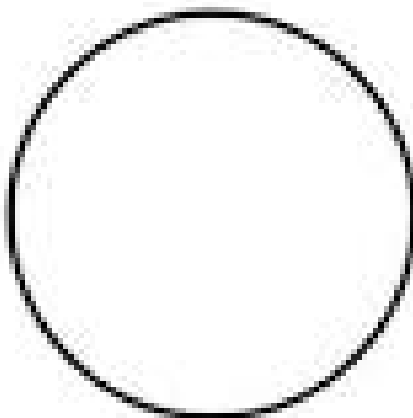
In this worksheet, we will interpret data using pie charts. If you would like further explanation before attempting these problems, links to video descriptions can be found at the end of this worksheet.

1 The pie chart below gives us information on peoples favorite ice cream flavors.



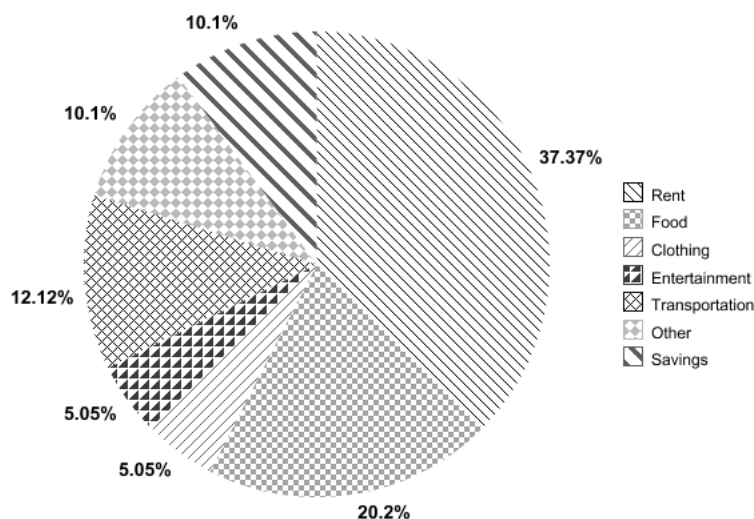
- (a) What are the six ice cream flavors represented in the pie chart?
- (b) What percent of people like vanilla the most?
- (c) What percent of people like either mint chocolate chip or strawberry the best?
- (d) Which flavor is the most popular?

2 Five candidates ran for district judge. Debbie Kruger recieved 20 percent of the votes. Alan Hansen recieved 35 percent of the votes. Kyle Mariner recieved 5 percent of the votes. Jackie Downing recieved 26 percent of the votes and Matthew Larsson recieved 14 percent of the votes. Organize this information into a pie chart and then answer the following questions.



- (a) Which candidate recieved the most votes?
- (b) If 3,455 votes were cast, how many people voted for Kyle Mariner?
- (c) Which candidate recieved $\frac{1}{5}$ of the votes?

3 Matt decides to keep track of how he spends his pay check each month. He recorded this information in the



following pie chart.

- (a) What does Matt spend the most on?
- (b) what percent of his money does Matt save?
- (c) What percent of his money does Matt spend on food and clothing?

Additional Resources:

- Here you'll find a introduction to interpreting pie charts <http://youtu.be/o0gj88bznLQ>
- Here you'll find info about pie charts: https://www.khanacademy.org/math/arithmetic/applying-math-reasoning-top-reading_data/v/reading-pie-graphs--circle-graphs