

Pie Chart (Circle Graph) Study Guide

Organizing Data in a Pie Chart:

Step #1: Make a fraction. Put the number over the total

Step #2: Make a percent. Use proportions to find out what it would be out of 100.

Step #3: Make a central angle. Use proportions to find out what it would be out of 360.

Step #4: Draw the central angle using a protractor.

Step #5: Label each wedge with the number and percent.

Example:

Question: "If you were a Disney Princess, which one would you be?"

Data:

a) Snow White (5)

d) Ariel (0)

g) Pocahontas (4)

b) Cinderella (2)

e) Belle (0)

h) Mulan (0)

c) Aurora (3)

f) Jasmine (8)

i) Tiana (3)

Conversion:

Answers	# out of Total	% out of 100	° out of 360
Snow White	$\frac{5}{25}$	$\frac{\quad}{100}$	$\frac{\quad}{360}$
Cinderella	$\frac{2}{25}$	$\frac{\quad}{100}$	$\frac{\quad}{360}$
Aurora	$\frac{3}{25}$	$\frac{\quad}{100}$	$\frac{\quad}{360}$
Jasmine	$\frac{8}{25}$	$\frac{\quad}{100}$	$\frac{\quad}{360}$
Pocahontas	$\frac{4}{25}$	$\frac{\quad}{100}$	$\frac{\quad}{360}$
Tiana	$\frac{3}{25}$	$\frac{\quad}{100}$	$\frac{\quad}{360}$

Pie Chart:

