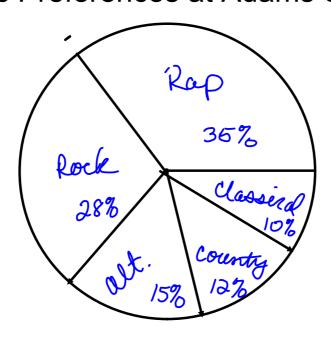
Procedure for Constructing a Circle Graph		
Step 1:	Find the whole.	
Step 2:	Find the parts.	
Step 3:	Find the degrees for each part.	
Step 4:	Draw and label each part.	
Step 5:	Give the graph a title.	

Example: The table below shows the music preferences of 300 students at Adams School. Each student voted only once. Construct a circle graph to represent this data.

Music Preferences of Students at Adams School			
Music Type	Number of Students		
Rap	105		
Rock and Roll	84		
Alternative	45		
Country	36		
Classical	30 _		

Music Preferences of Students at Adams School					
Music Type	Number of Students	Dorcent	Decimal	Degrees	
Rap	105	105/300 =	.35	x360°=	1260
Rock and Roll	84	84/300 =	.28	x360°=	101°
Alternative	45		= .15	x 360°=	54°
Country	36	36/300	=./2	X 360°-	43°
Classical	30	30/300	.10	x 360°=	36°
Total	300		1	•	360°

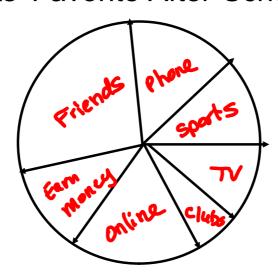
## Music Preferences at Adams School

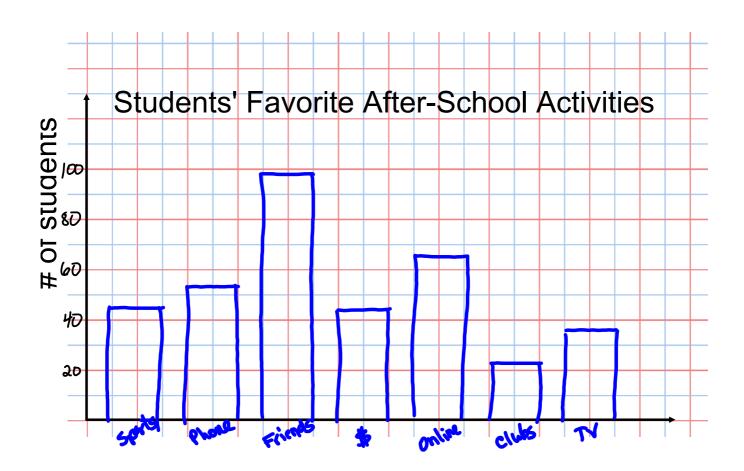


Use this data to create a bar graph and a circle/pie chart.

Mumb					
Numb	Number of Students			Degrees	
45	45/366	=	.12 1	360 =	44
53	53/366	, -	.14		<i>5</i> 2
99			.27		97
44	44/3G	a=	./a		43
66	66/36	6=	.18		65
22	22/36	6	= .06		22
37	- 37/36	6	=. 10		36
	53 99 44 66 22	53 53/366 99 99/366 44 44/366 66 66/366 22 22/36	53 53/3(do = 99 99/366= 44 44/3(do = 66 66   366= 22 22/366)	53 $53/3666 = .14$ 99 $99/3666 = .27$ 44 $99/3666 = .12$ 66 $66/3666 = .18$ 22 $22/3666 = .06$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

## Students' Favorite After-School Activities

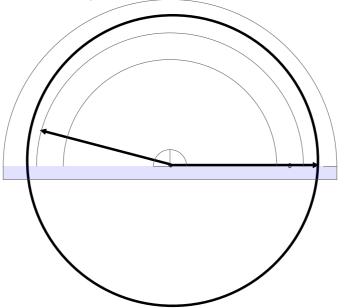




Exercise 2: The students at a small school were surveyed to determine what method of transportation is used to get to and from school as shown in the table below. Construct a circle graph to visually display this data.

Transportation to School				
Method	Percent			
Bus	46 x360 = 166°			
Car	. 21 <b>X366</b> = 76°			
Bicycle	. 17 X365 = 61°			
Walk	. 11 X 360 = 40°			
Other	.05 X 360 = 18°			

## Transportation To School



## Transportation to School

