Constructing Pie Charts

1.

The Johnson family wanted to find out what they are using their car for. They collected the following over 1 week.

Journey Type	Hours	Fraction	Calculation	Degrees
To and from work	6	——		
Shopping	3	——		
Leisure trips	3	——		
Total	12			

Complete the table above and then use the information to create a pie chart that compares the different types of journey that the Johnson family take.

2.

The table below shows the number of brothers and sisters that each student in a class has.

Number of siblings (brothers or sisters) of each student in Mr. Lopez's 6th Grade Class						
0	1	2	5	1	3	1
2	0	2	0	2	1	2
1	2	2	4	3	2	3
1	2	2	3	4	0	1

Complete the table below and then use the information to create a pie chart.

Siblings	# of students	fraction	decimal	degrees
0		$\frac{}{28}$		51.4°
1	7	——	0.25	
2		——		
3		$\frac{4}{}$		
4	2	——		
5		——	0.036	

3.

The table below shows what web browsers visitors to a web site used.

Browser	Number of People (in thousands)
Internet Explorer	137
Firefox	41
Chrome	29
Safari	26
Other	5

Complete the table below and then use the information to create a pie chart.

Browser	Number of people (in thousands)	fraction	decimal	degrees
Internet Explorer		———		
Firefox		———		
Chrome		———		
Safari		———		
Other		———		

4. Mr Hamilton's monthly income is $14400. The monthly expenses of his family on various items are given below. Calculate the angle at the centre of each section.

Item	Rent	Food	Clothing	Education	Savings
Expenditure (in Dollar)	4000	5400	2800	1800	400

5. In a Zoological park there are 1000 creatures as per the following table, calculate the angle at the centre of each section.

Beast Animals	Other Land Animals	Birds	Water Animals	Reptiles
150	400	225	175	50

6. Various modes of transport used by 1260 students in a given school are shown, calculate the angle at the centre of each section.

School Bus	Private Bus	Bicycle	Rickshaw	On foot
350	245	210	175	280