

Pie Charts

1. Construct a Pie chart for each of the table shown here.

Flavour	Number of people	Angle in Pie Chart
Mint	12	$\frac{12}{40} \times 360^\circ =$
Strawberry	6	
Cookie Dough	20	
Vanilla	2	
Total		

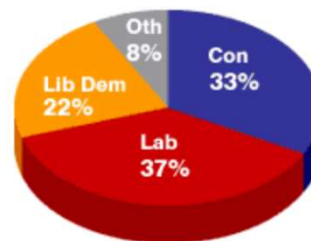
Colour	Frequency	Angle in Pie Chart
Red	45	
Blue	64	
Yellow	15	
Pink	26	
Total		

Console	Number	Angle in Pie Chart
Xbox	216	
PlayStation	325	
Nintendo	59	
Total		

Season	Frequency	Angle in Pie Chart
Spring	14	
Summer	25	
Autumn	11	
Winter	10	
Total		

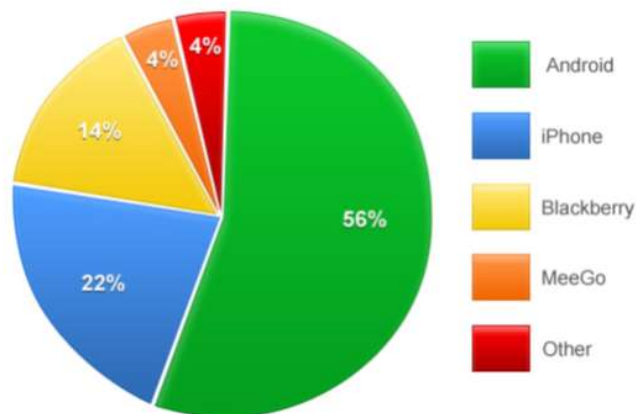
2. The pie chart shown shows how many people voted for different parties in a General Election.

The number of people who voted in this constituency was 24800.



- (a) Calculate how many people voted for each party.
 (b) There were 42000 people in this constituency. What percentage of people voted?

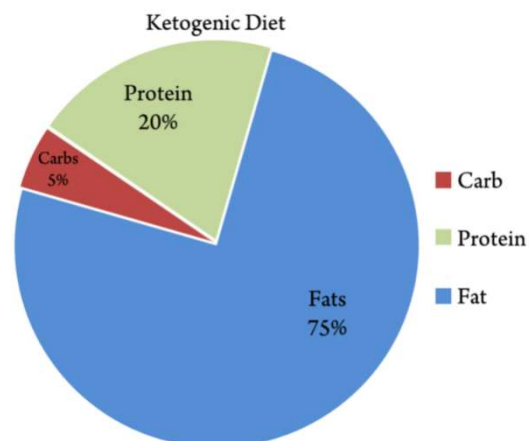
3. The pie chart shows what type of phone pupils within a school own as a percentage. The school role is 1400 pupils.



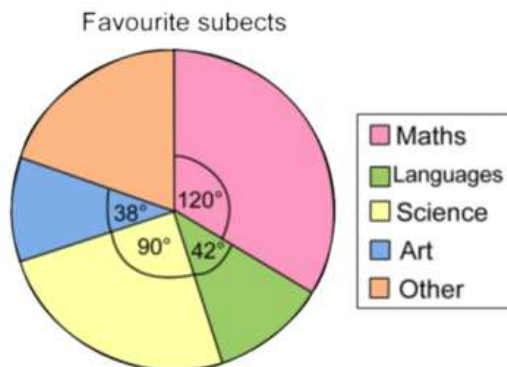
- (a) Write down how many people own each type of phone.
 (b) Why do you think Android is the most popular?

4. The pie chart opposite shows the balance of food groups for a Ketogenic diet.

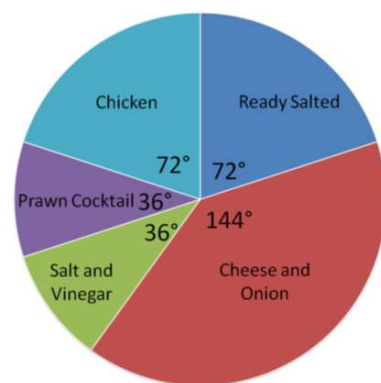
- (a) The recommended daily allowance of calories for men is 2500kcal. How much of each type should men consume?
 (b) The recommended daily allowance of calories for women is 2000kcal. How much of each type should women consume?
 (c) Do you think this is a good diet?



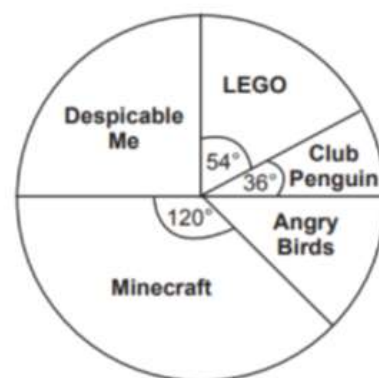
5. A survey of 780 pupils was conducted. The results are shown in the pie chart.
- (a) How many people picked each subject?
- (b) How many people chose "other"?



6. The pie chart here shows measures peoples favourite flavour of crisps.
- (a) In the survey, 500 people chose Chicken as their favourite. How many people chose Cheese and Onion?
- (b) Write down how many people chose each flavour.



7. A group of Primary pupils were asked what the favourite app on their phone was. The results are in the pie chart shown.
- (a) 60 people chose Despicable Me. How many people chose Minecraft?
- (b) How many people chose Angry Birds?
- (c) How many people were asked altogether?



8. A website surveyed visitors to ask their favourite game. The results were shown in a Pie Chart as shown.
- (a) 284000 people chose Fifa as their favourite game. How many people chose Zelda?
- (b) How many people took part in the survey altogether?

