

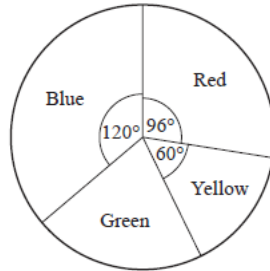
INTERPRETING PIE CHART WORKSHEET

1. Michelle sells ice – cream. The table below shows how many different flavours she sells in one hour.

Flavour	Vanilla	Strawberry	Chocolate	Mango
Number sold	6	8	9	7

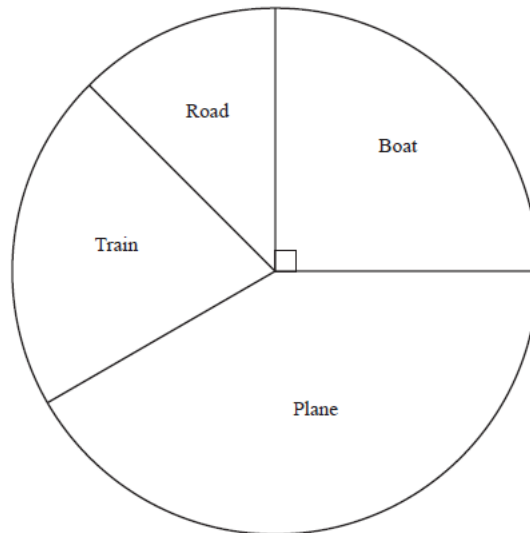
Michelle wants to show this information on a pie chart. Calculate the sector angles for each flavour.

- 2.



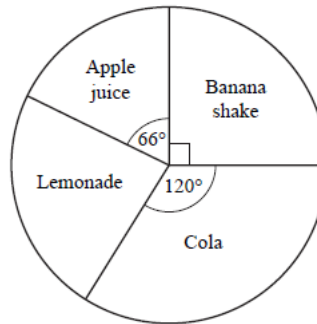
In a survey a number of people chose their favourite colour. The results are shown in the pie chart.

- (a) Calculate the size of the sector for green.
 - (b) The number of people who chose red is 16. Calculate the number who chose yellow.
 - (c) Calculate the total number of people in the survey.
 - (d) Write down the fraction who chose red.
3. In a survey, some tourists were asked how they had travelled to Norway. The pie chart shows the results.

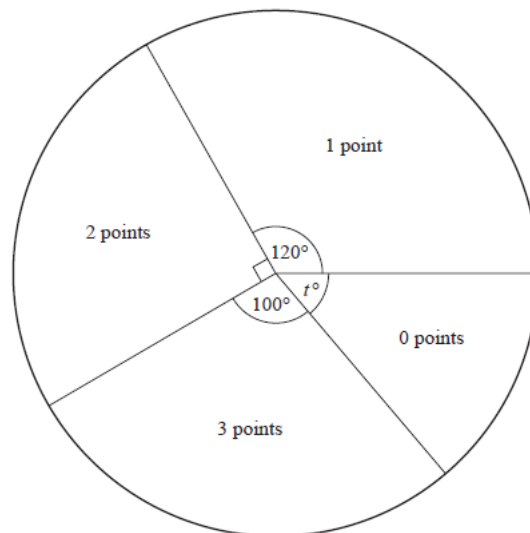


- (i) 150 of these tourists travelled by boat. Determine how many tourists took part in the survey.
- (ii) Calculate the number of these tourists who travelled by plane.

4. 60 students recorded their favourite drink. The results are shown in the pie chart.

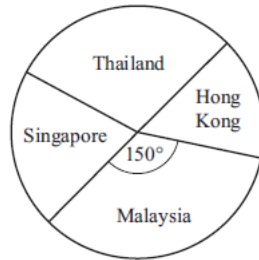


- (a) Calculate the angle for the sector labelled Lemonade.
- (b) Calculate the number of students who chose Banana shake.
5. 288 students took part in a quiz. There were three questions in the quiz. Each correct answer scored 1 point. The pie chart shows the results.



- (a) Find the value of t .
- (b) Find the number of students who scored 2 points.
- (c) Find the **modal** number of points.

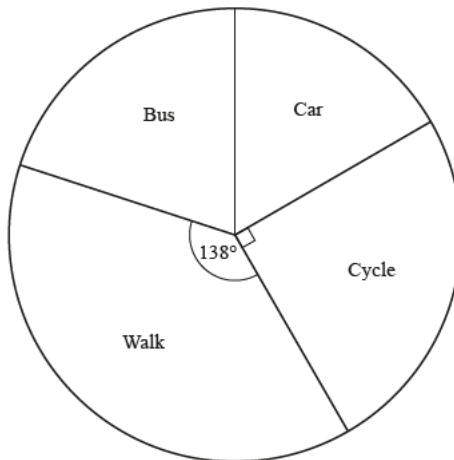
6.



A travel brochure has 72 holidays in four different countries. The pie chart shows this information.

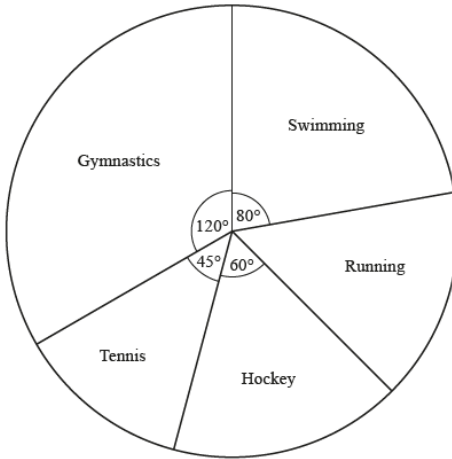
- (a) There are 24 holidays in Thailand. Show that the sector angle for Thailand is 120° .
- (b) The sector angle for Malaysia is 150° . The sector for Singapore is twice the sector angle for Hong Kong. Calculate the number of holidays in Hong Kong.

7. The pie chart shows how 120 students travel to school.



- (i) Measure the sector angle for the students who travel to school by car.
- (ii) What fraction of the students cycle to school?
- (iii) Calculate how many students walk to school.

8. Some children are asked what their favourite sport is. The results are shown in the pie chart.



(i) Complete the statements about the pie chart.

The sector angle for running is _____ degrees.

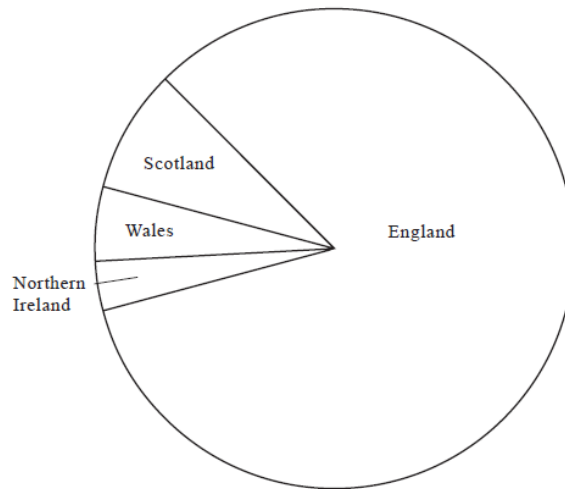
The least popular sport is _____

$\frac{1}{6}$ of the children chose _____

Twice as many children chose _____ as _____

(ii) Five more children chose swimming than hockey. Use this information to work out the number of children who chose gymnastics.

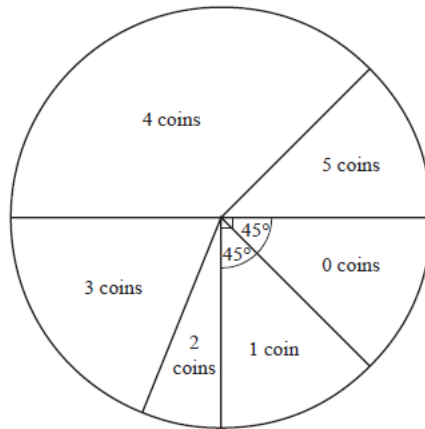
9. The population of the four countries of the United Kingdom, in the year 200, are shown on the pie chart below.



Taking measurements from the pie chart, complete the table.

Country	Population (millions)
England	
Scotland	
Wales	
Northern Ireland	2

10. 32 students are asked how many coins they have. The results are shown in the pie chart.



- (a) (i) Measure the angle which shows the number of students who have 4 coins.
 (ii) Calculate the number of students who have 4 coins.
 (iii) Calculate the number of students who have more than one coin.
- (b) Complete the frequency table.

Number of coins	0	1	2	3	4	5
Number of students (frequency)			2	6		

