

Draw pie charts

1 The frequency table shows the favourite colours of a group of children.

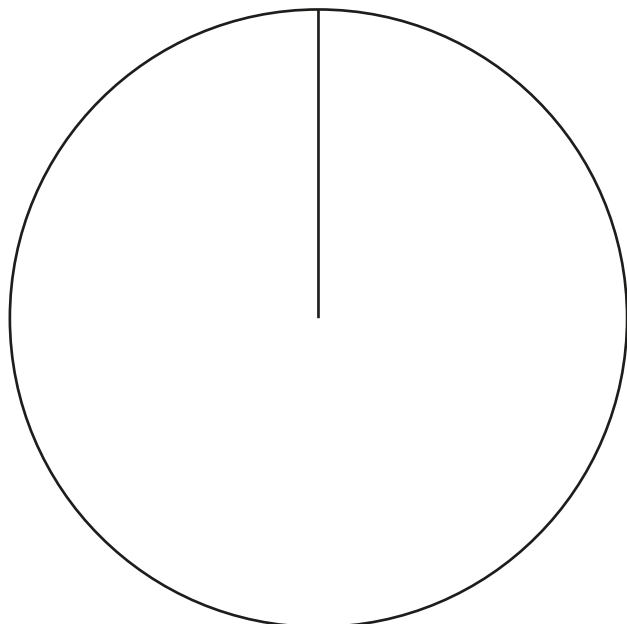
Colour	red	blue	green	other
Frequency	18	7	8	3
Angle of sector				

- a) Filip is drawing a pie chart to represent the data.
First he needs to work out the angle of each sector.
Here are his workings.

$$\frac{18}{36} = \frac{180}{360} \quad \text{Angle of sector for red} = 180^\circ$$

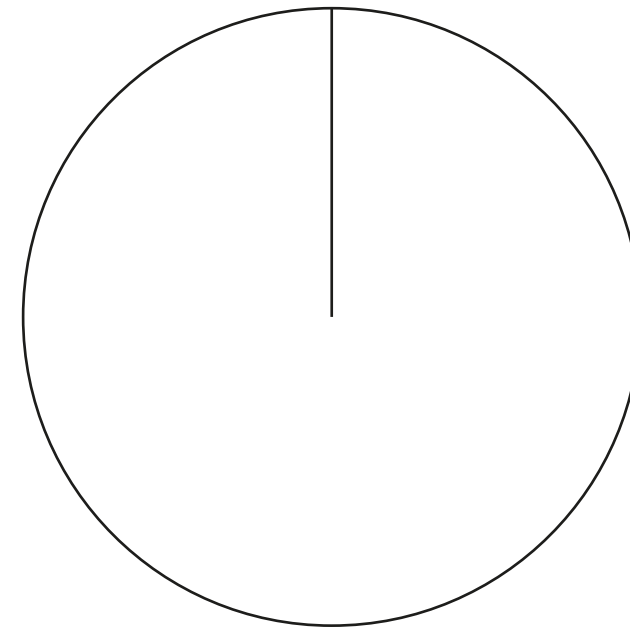
Discuss Filip's method with a partner.

- b) Complete the table to show the angle for each sector on the pie chart.
c) Complete the pie chart.



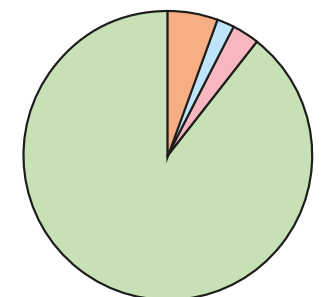
2 The table shows information about how students in Year 7 travel to school.
Complete the table and draw a pie chart to represent the data.

Transport	bus	walk	car	bike
Frequency	31	56	25	8
Angle of sector				



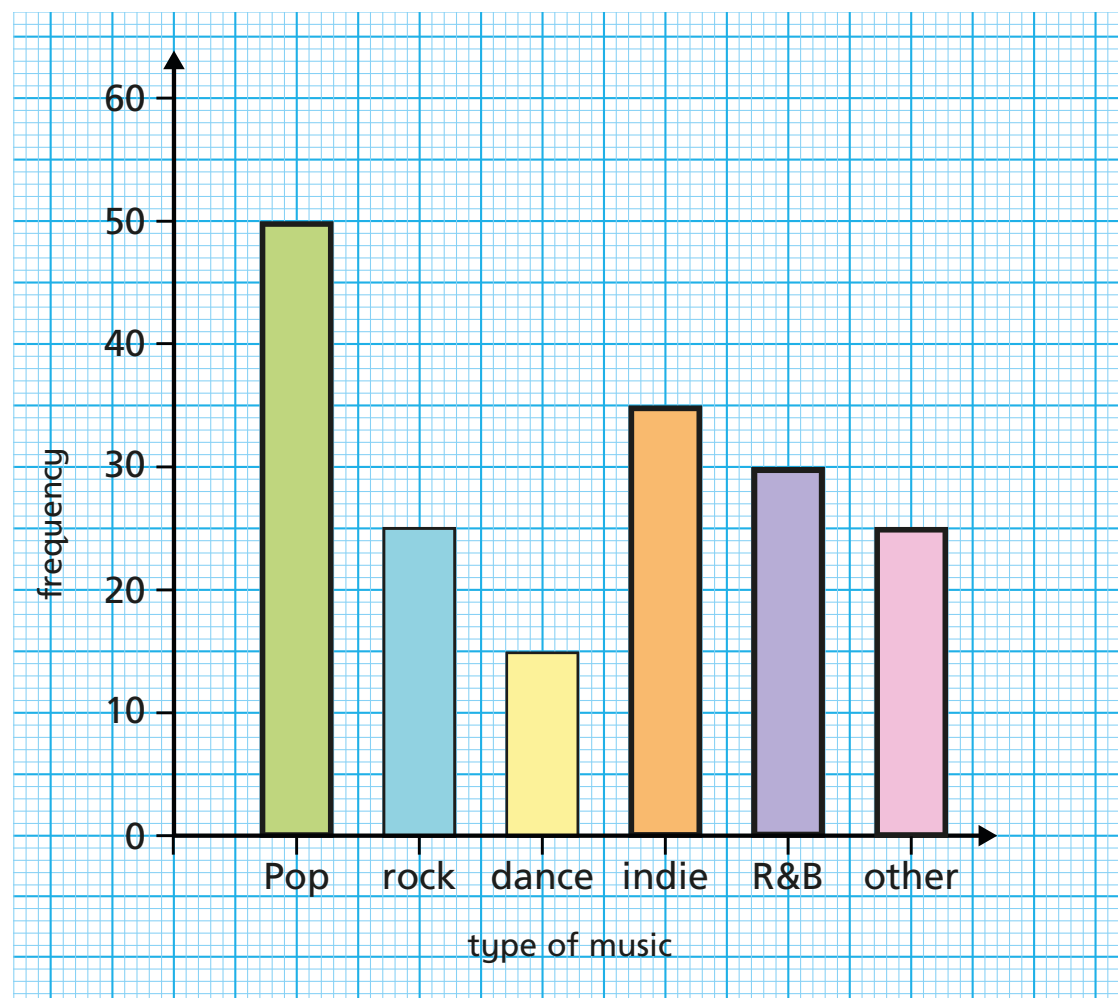
3 The table shows the numbers of wins, losses and draws that a football team had in a season.
Dani has drawn a pie chart to represent the data.

Result	win	loss	draw
Frequency	20	7	11

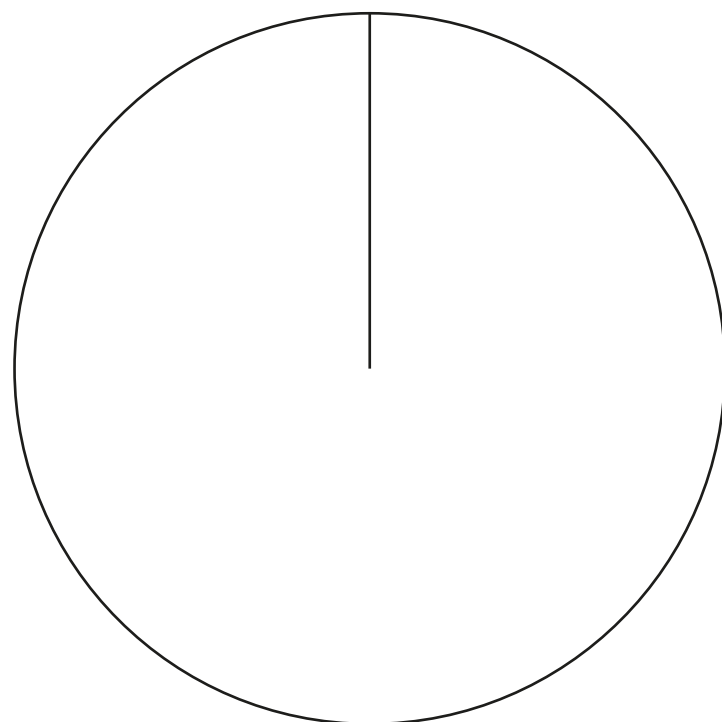


Do you agree with Dani? _____
Explain your answer.

- 4 A group of people were asked to vote for their favourite type of music. The results are shown in the bar chart.



Draw a pie chart to represent the data.



- 5 A group of 45 people were asked to choose their favourite activity. Complete the table and draw a pie chart to represent the data.

Result	Frequency	Angle of sector
read	17	
draw		32°
play sport		
play computer games		48°
other	9	

