

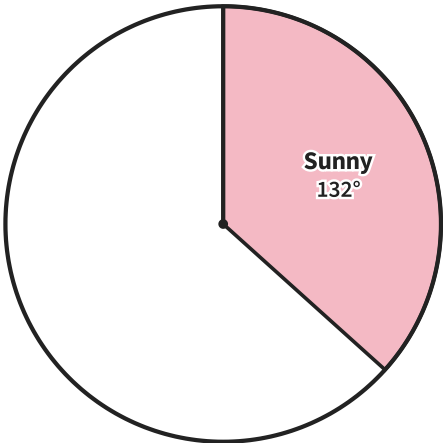
Drawing Pie Charts

1

Ellie recorded the weather for 30 days.

- a) Total frequency: 30
- b) Degrees each: $360^\circ \div 30 = 12^\circ$
- c) Check the angles add up to 360° .
- d) Draw the pie chart.

	Frequency	Angle
Sunny	11	$11 \times 12 = 132^\circ$
Cloudy	9	$9 \times 12 = 108^\circ$
Rain	7	$7 \times 12 = 84^\circ$
Snow	3	$3 \times 12 = 36^\circ$
Total	30	360°

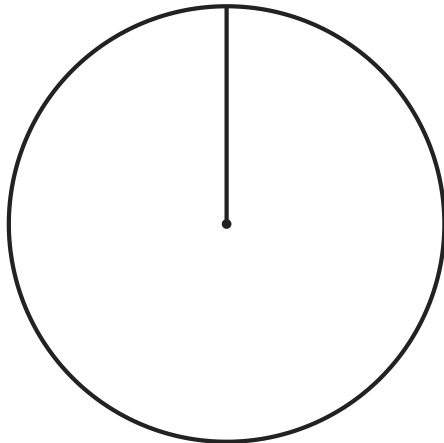


2

24 people chose a pizza topping.

- a) Total frequency: 24
- b) Degrees each: $360^\circ \div 24 = 15^\circ$
- c) Complete the angle column. The angles add up to 360° .
- d) Draw the pie chart.

	Frequency	Angle
Cheese	9	$9 \times 15 = 135^\circ$
Pepperoni	7	$7 \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$
Veg	5	$5 \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$
Ham	3	$3 \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$
Total	24	360°

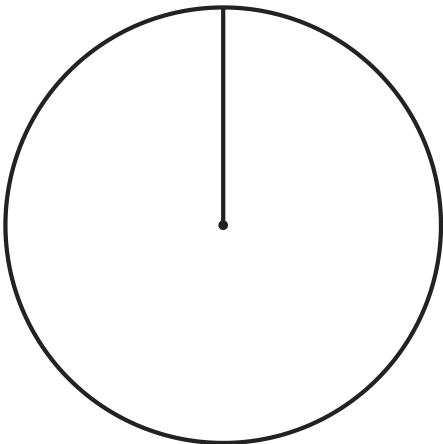


3

Some zoo visitors chose their favourite animal.

- a) Total frequency: 36
- b) Degrees each: $360^\circ \div 36 = \underline{\hspace{1cm}}$
- c) Complete the angle column. The angles add up to 360° .
- d) Draw the pie chart.

	Frequency	Angle
Lion	13	
Penguin	11	
Giraffe	8	
Monkey	4	
Total	36	360°

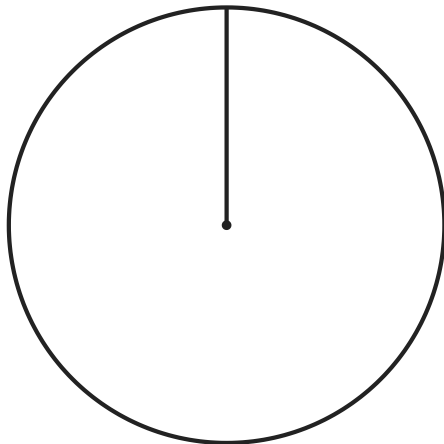


4

Some students chose an after school club.

- a) Total frequency: $\underline{\hspace{1cm}}$
- b) Degrees each: $360^\circ \div \text{total} = \underline{\hspace{1cm}}$
- c) Complete the angle column. The angles add up to 360° .
- d) Draw the pie chart.

	Frequency	Angle
Drama	16	
Choir	9	
Chess	12	
Coding	8	
Total		360°

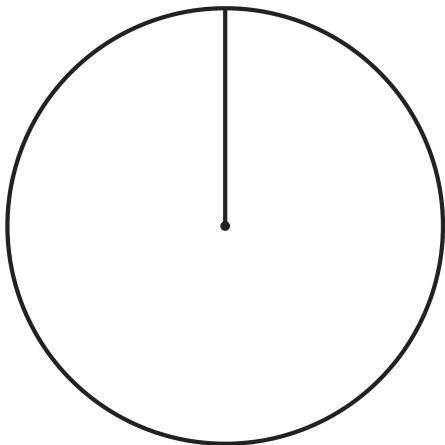


Drawing Pie Charts

5

60 people said where they get their news.
Draw a pie chart.

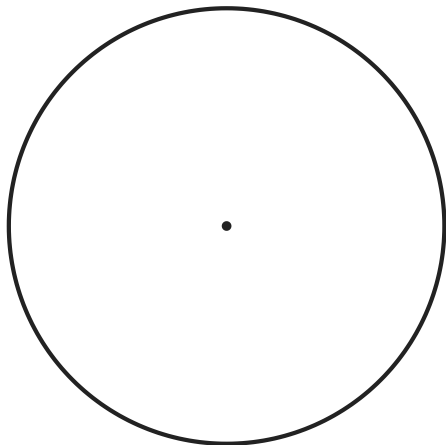
	Frequency	Angle
Phone	33	
TV	18	
Paper	9	
Total	60	360°



6

The trees in a park are counted.
Draw a pie chart. Draw your own start line.

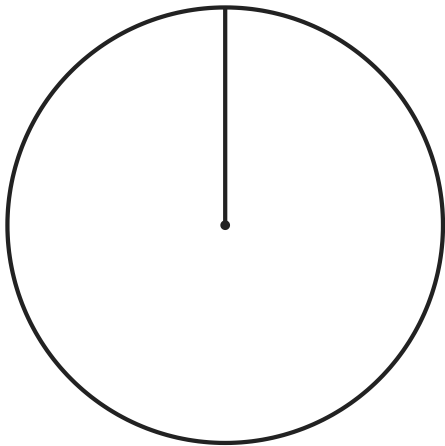
	Frequency	Angle
Oak	22	
Ash	16	
Birch	14	
Beech	12	
Pine	8	
Total	72	360°



7

A café sold 40 hot drinks one morning.
14 were lattes, 11 were teas and 6 were
hot chocolates. The rest were mochas.
Complete the table, then draw a pie chart.

	Frequency	Angle
Latte		
Tea		
Hot choc		
Mocha		
Total	40	360°

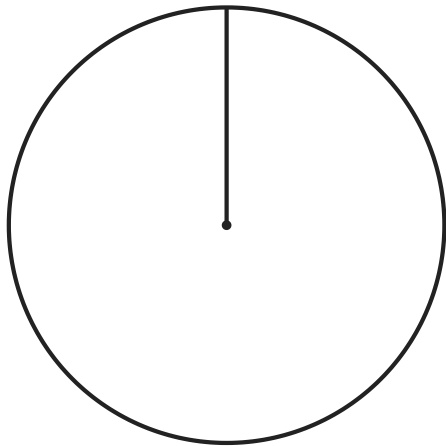


8

Ravi asked 20 people their
favourite season. He says the angle for
Summer is 9°.

- a) Explain why Ravi is wrong.
- _____
- _____
- b) Draw the pie chart.

	Frequency	Angle
Spring	3	
Summer	9	
Autumn	5	
Winter	3	
Total	20	360°



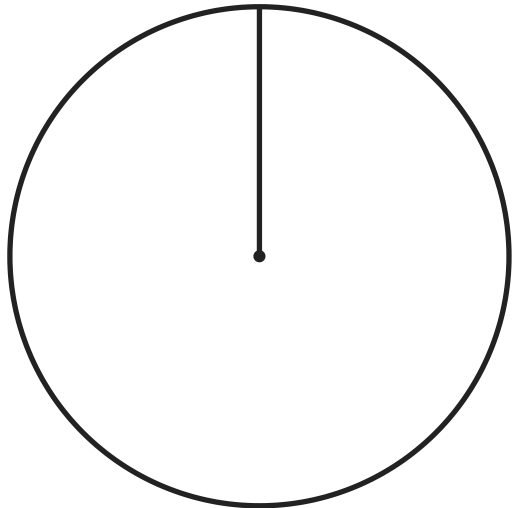
Drawing Pie Charts *further practice*

9



The table shows how 30 visitors heard about a museum. Draw a pie chart.

	Frequency	Angle
Online	11	
Friend	8	
Poster	5	
Radio	6	
Total	30	360°

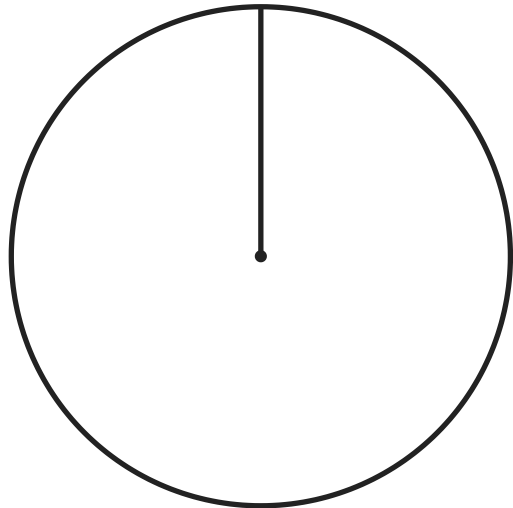


10



The members of a book club rated a novel. Draw a pie chart.

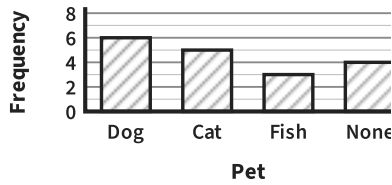
	Frequency	Angle
Loved	7	
Liked	9	
Okay	5	
Disliked	3	
Total		360°



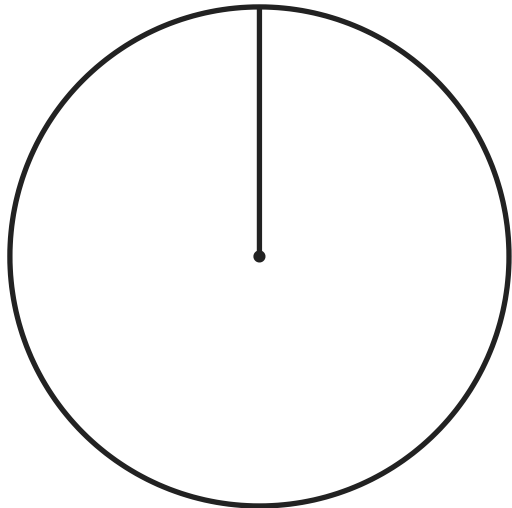
11



The bar chart shows the pets of some students. Complete the table, then draw a pie chart.



	Frequency	Angle
Dog		
Cat		
Fish		
None		
Total		360°

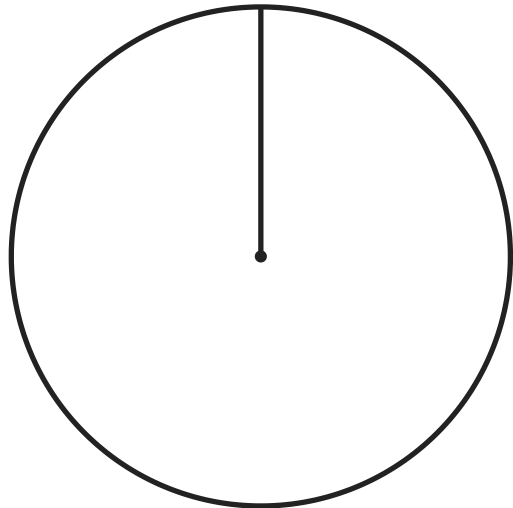


12



Freya spent her £72 of birthday money like this. Draw a pie chart to show how she spent it.

	Amount	Angle
Games	£30	
Clothes	£24	
Books	£18	
Total	£72	360°



Drawing Pie Charts *further practice*

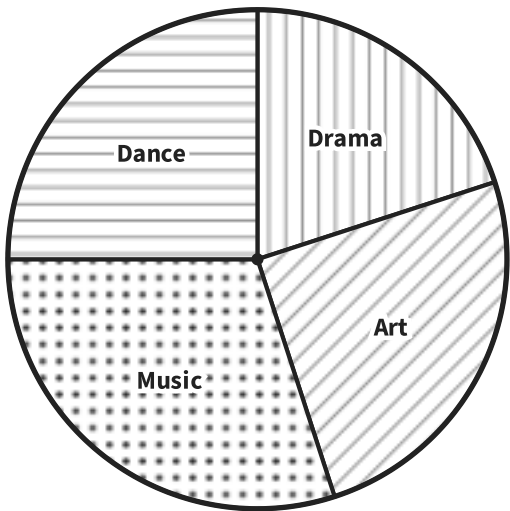
13



The pie chart shows the clubs 40 students chose.
Measure the angles you need.

How many chose drama?

How many chose music?

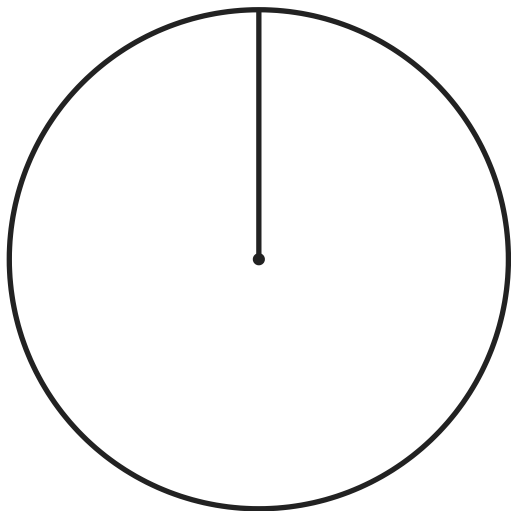


14



Some students said how they get to school. Complete the table, then draw the pie chart.

	Frequency	Angle
Walk	10	100°
Car		60°
Bus	12	
Cycle		
Total		360°

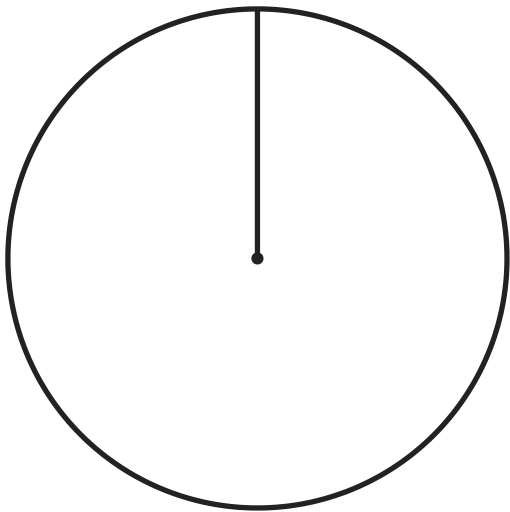


15



The table shows where a town's electricity comes from.
Draw a pie chart.

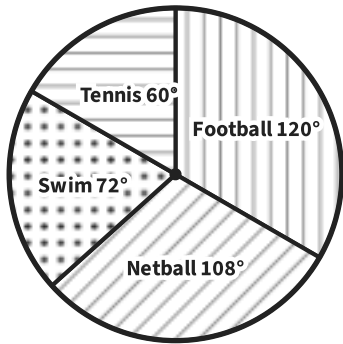
	Percentage	Angle
Wind	40%	
Solar	25%	
Gas	35%	
Total	100%	360°



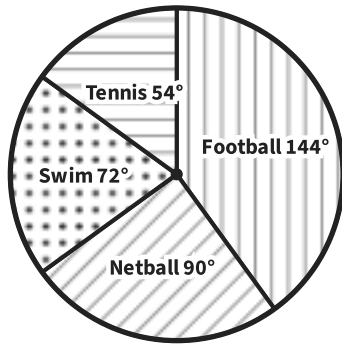
16



Tom says more students in class B chose football than in class A, because the football sector is bigger. Is Tom right? Explain.



Class A: 30 students



Class B: 20 students

Answer _____