



Drawing Pie Charts



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1 The table below shows information about how students from class travel to school.

Transport	Frequency
Car	14
Bike	4
Walk	10
Bus	2

$$360 \div 30 = 12$$

$$14 \times 12 = 168^\circ$$

$$4 \times 12 = 48^\circ$$

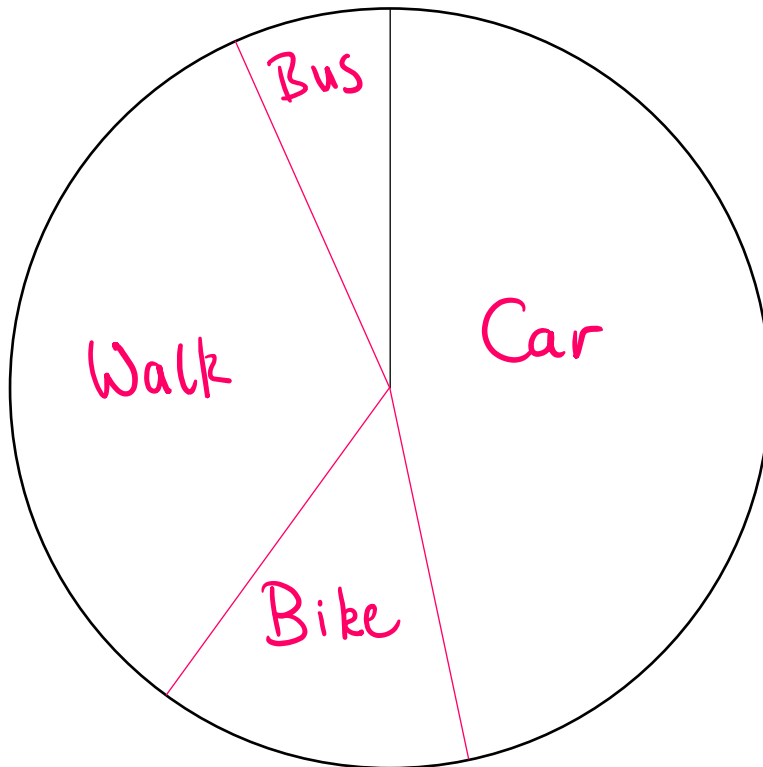
$$10 \times 12 = 120^\circ$$

$$2 \times 12 = 24^\circ$$

30

Draw and label a pie chart to show this information.

[3 marks]



- 2 The table below shows information about the favourite pet of students from a class.

Pet	Frequency
Dog	9
Cat	9
Hamster	4
Other	2

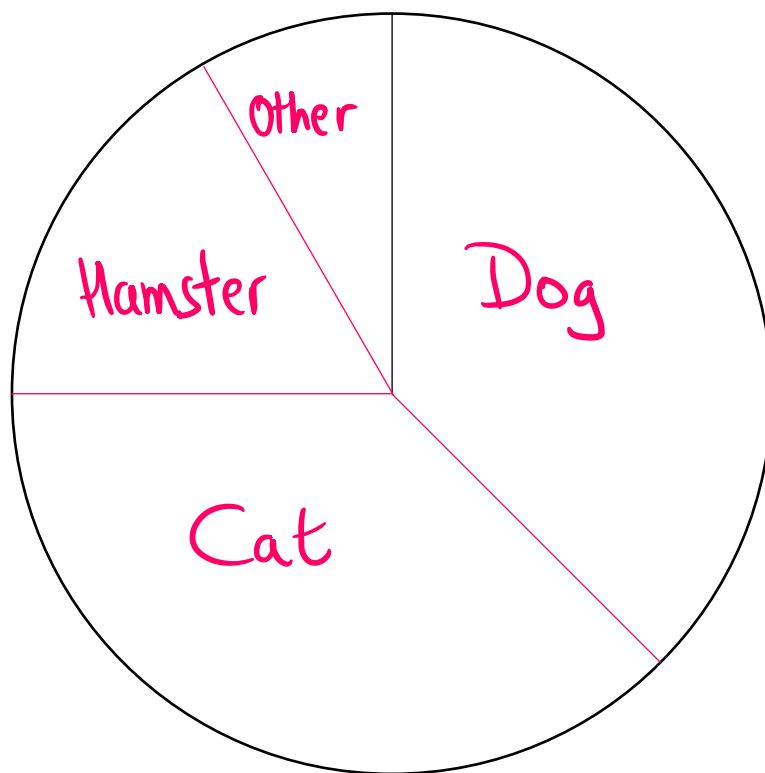
$$360 \div 24 = 15$$

24

$$9 \times 15 = 135^\circ$$
$$9 \times 15 = 135^\circ$$
$$4 \times 15 = 60^\circ$$
$$2 \times 15 = 30^\circ$$

Draw and label a pie chart to show this information.

[3 marks]



- 3 The table below shows information about how many wins different football teams had.

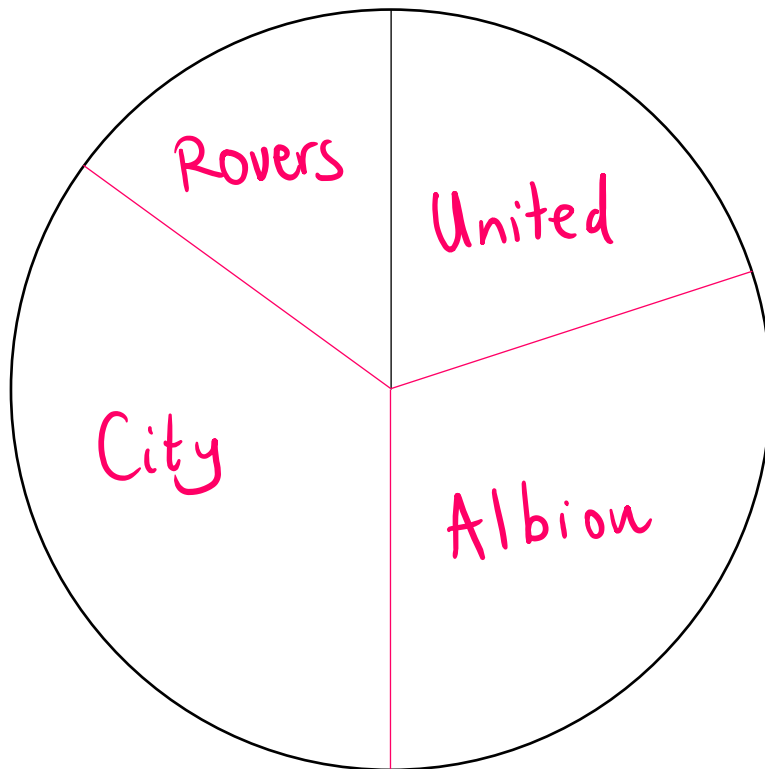
Team	Number of Wins
United	$4 \times 18 = 72^\circ$
Albion	$6 \times 18 = 108^\circ$
City	$3 \times 18 = 54^\circ$
Rovers	$7 \times 18 = 126^\circ$

20

$$360 \div 20 = 18$$

Draw and label a pie chart to show this information.

[3 marks]



- 4 The table below shows information about how many TikTok followers some friends have.

Person	Frequency
Carly	300
Rachel	700
Rhia	200

$$360 \div 1200 = 0.3$$

1200

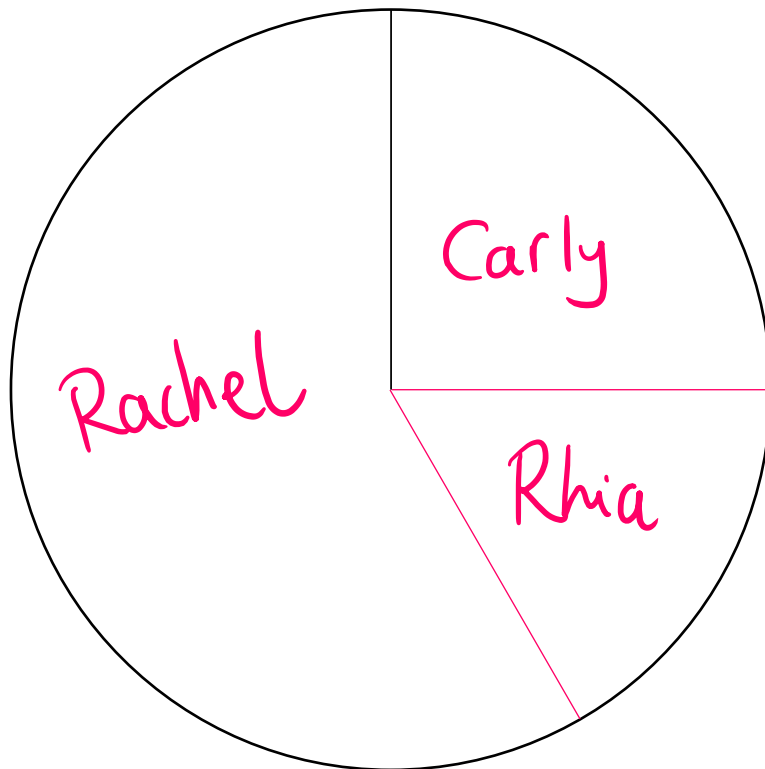
$$300 \times 0.3 = 90^\circ$$

$$700 \times 0.3 = 210^\circ$$

$$200 \times 0.3 = 60^\circ$$

Draw and label a pie chart to show this information.

[3 marks]





5 The table below shows information about the number of students in different year groups.

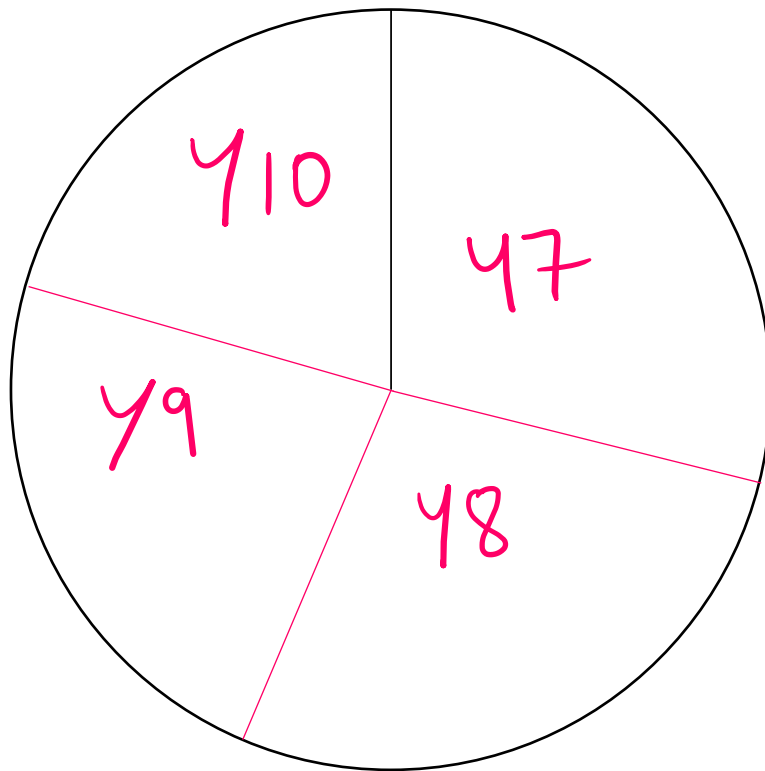
Year Group	Number of students
Y7	208
Y8	198
Y9	166
Y10	148

$$360 \div 720 = 0.5$$

$$\begin{aligned} 208 \times 0.5 &= 104^\circ \\ 198 \times 0.5 &= 99^\circ \\ 166 \times 0.5 &= 83^\circ \\ 148 \times 0.5 &= 74^\circ \\ &720 \end{aligned}$$

Draw and label a pie chart to show this information.

[3 marks]



- 6 The table below shows information about the favourite subject of some students

Subject	Frequency
Maths	28
English	10
Science	13
Other	9

$$360 \div 60 = 6$$

60

$$= 168^\circ$$

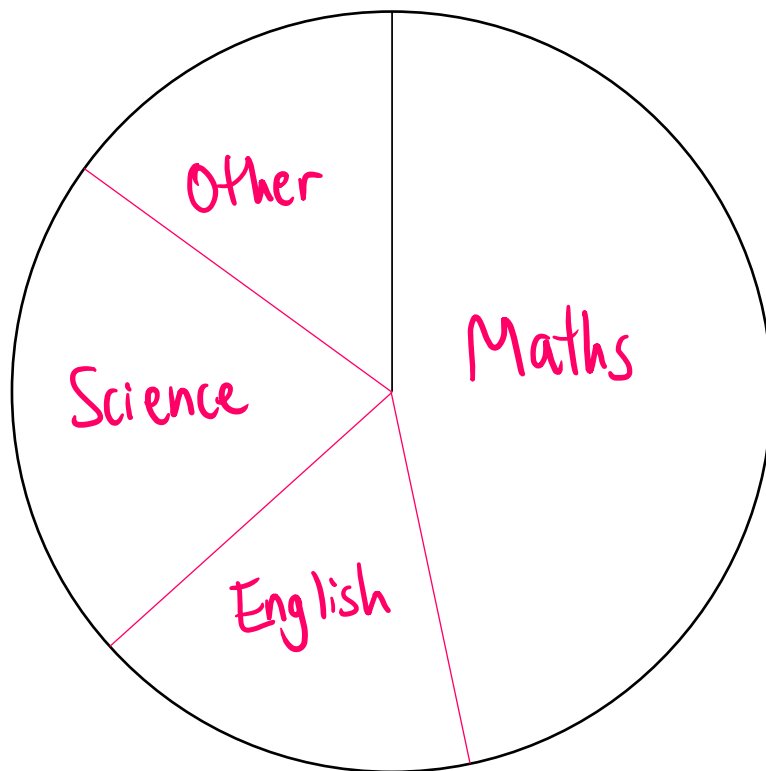
$$= 60^\circ$$

$$= 78^\circ$$

$$= 54^\circ$$

Draw and label a pie chart to show this information.

[3 marks]



- 7 The table below shows information about the ages of people visiting a shop during a 1 hour period.

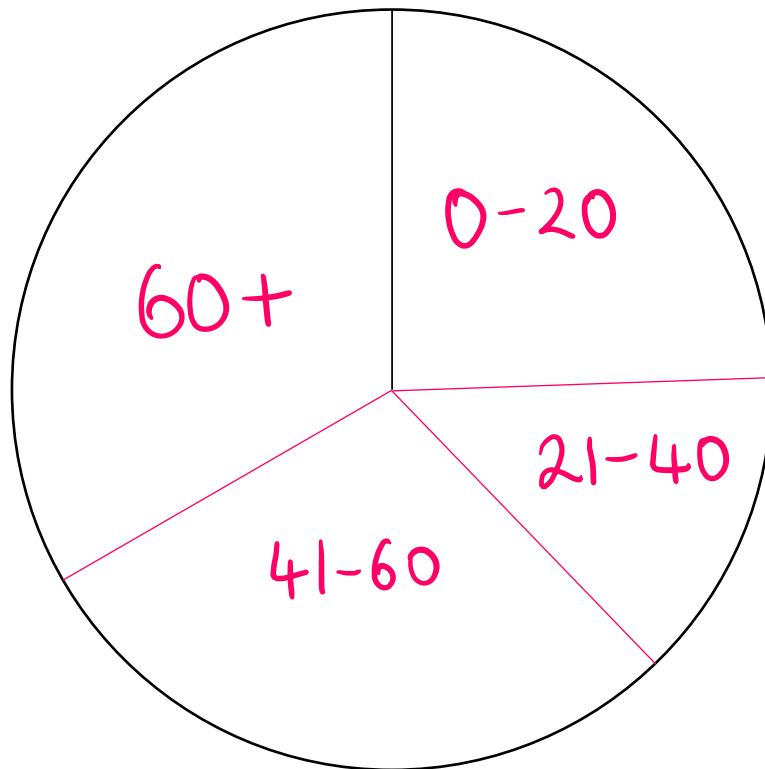
Age Group	Frequency
0-20	11 × 8 = 88°
21-40	6 × 8 = 48°
41-60	13 × 8 = 104°
60+	15 × 8 = 120°

$$360 \div 45 = 8$$

45

Draw and label a pie chart to show this information.

[3 marks]



8 The table below shows information about the populations of some cities.

City	Population (thousands)
Bath	92
Oxford	152
Swansea	236

$$360 \div 480 = 0.75$$

$$92 \times 0.75 = 69^\circ$$
$$152 \times 0.75 = 114^\circ$$
$$236 \times 0.75 = 177^\circ$$

480

Draw and label a pie chart to show this information.

[3 marks]

