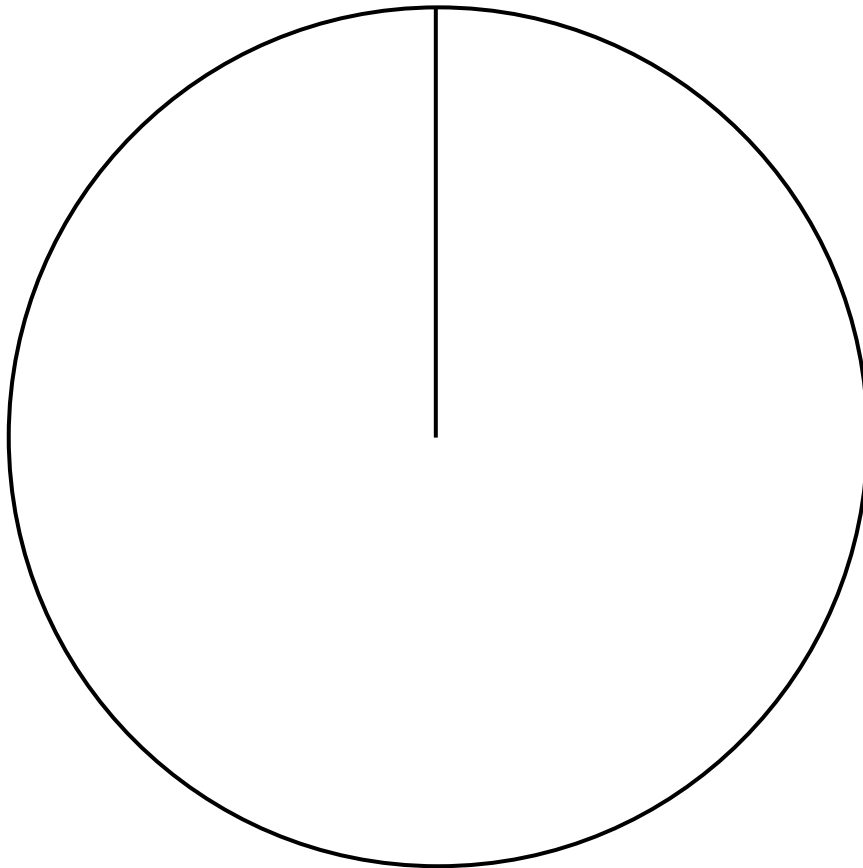


## Drawing pie charts

1. This table shows class 11A's favourite colour.

Colour	Frequency	
Red	4 $\times 12$	$48^\circ$
Blue	11 $\times 12$	$132^\circ$
Green	9 $\times 12$	$108^\circ$
Yellow	6 $\times 12$	$72^\circ$
	$30 \times 12$	$360^\circ$

Draw an accurate pie chart to show this information.



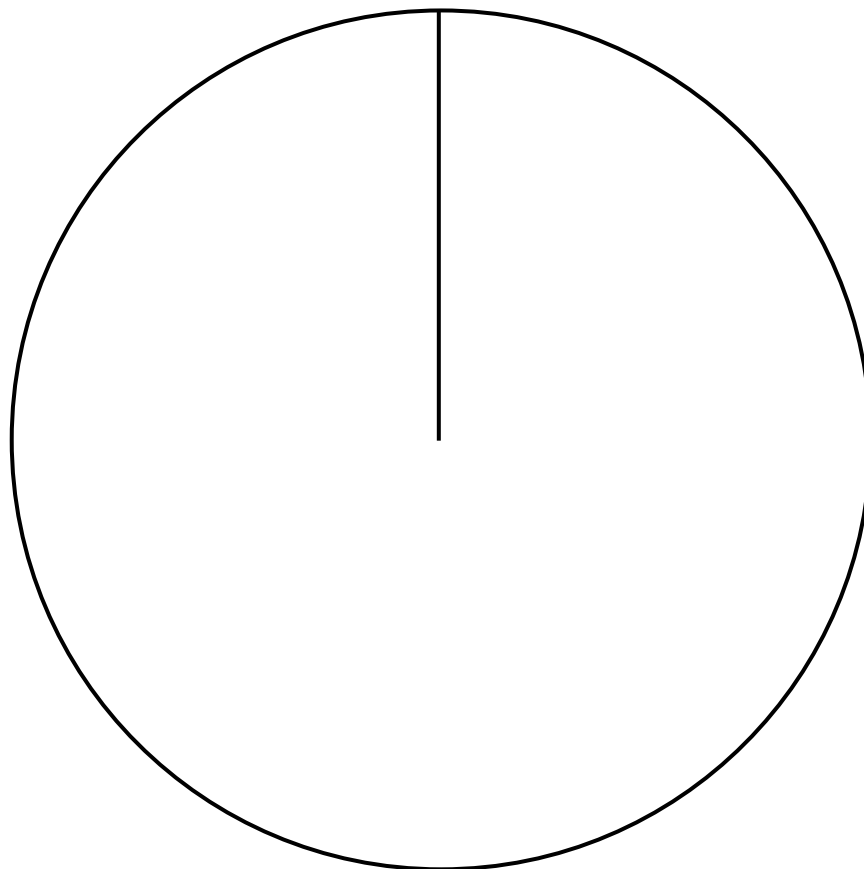
(4 marks)

## Drawing pie charts

2. The table below shows colours of 60 cars passing in an hour.

Colour	Frequency	
Red	11 $\times 6$	$66^\circ$
Black	18 $\times 6$	$108^\circ$
White	17 $\times 6$	$102^\circ$
Blue	9 $\times 6$	$54^\circ$
Grey	3 $\times 6$	$18^\circ$
Other	2 $\times 6$	$12^\circ$
	60	$360^\circ$

Draw a pie chart to represent the 60 cars.



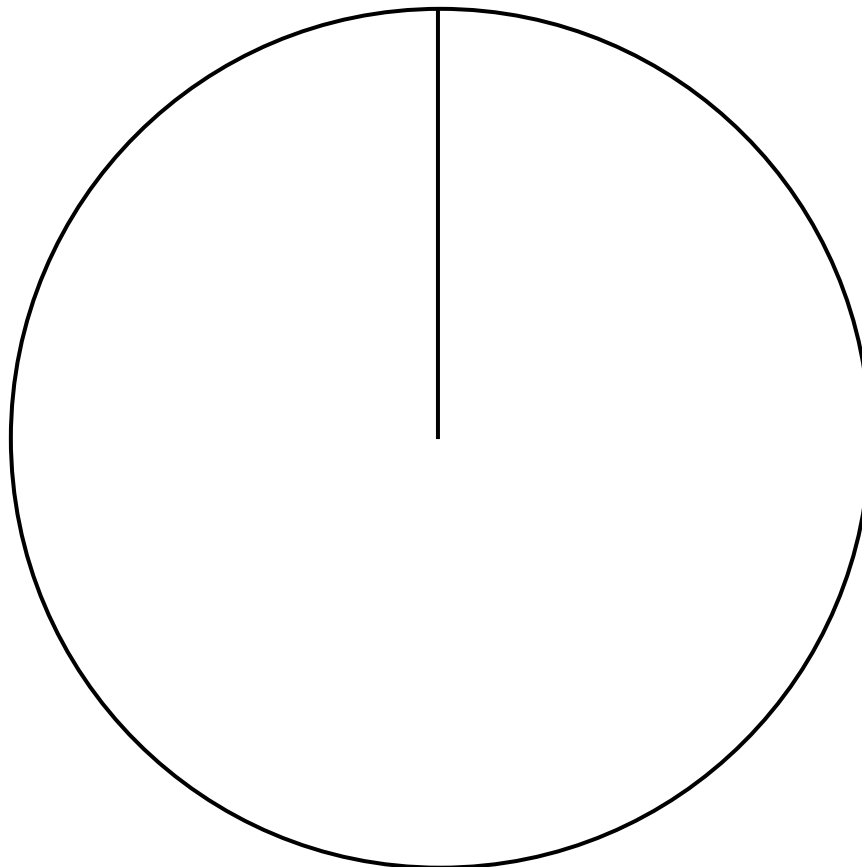
(4 marks)

## Drawing pie charts

3. The table below shows the amount of goals scored in year 9's football games over the year.

Goals	Frequency	
0	6 x9	54°
1	16 x9	144°
2	12 x9	108°
3	4 x9	36°
4	2 x9	18°
	40x9	360°

- a) Draw an accurate pie chart for the amount of goals scored.



- b) What fraction of the games did they score 1 goal?

$$\frac{16}{40}$$

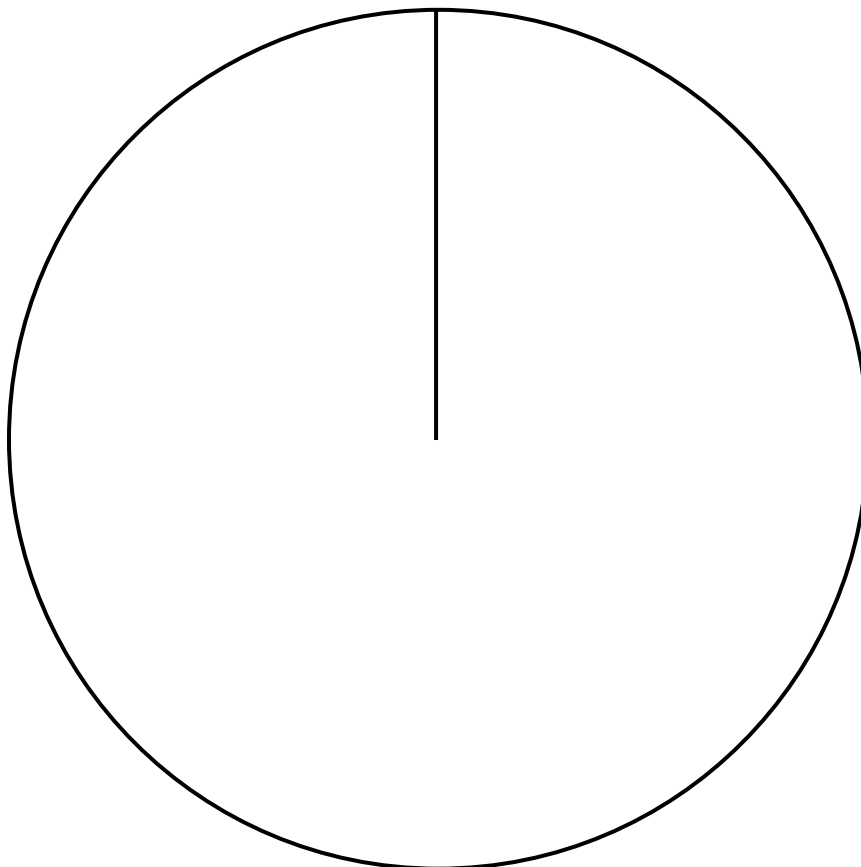
(5 marks)

## Drawing pie charts

4. The table below shows the most popular food in a restaurant on a particular day.

Food	Frequency	
Pizza	24 $\times 5$	120°
Pasta	19 $\times 5$	95°
Burger	6 $\times 5$	30°
Chicken	11 $\times 5$	55°
Other	12 $\times 5$	60°
	72 $\times 5$	360°

Draw an accurate pie chart for this information.



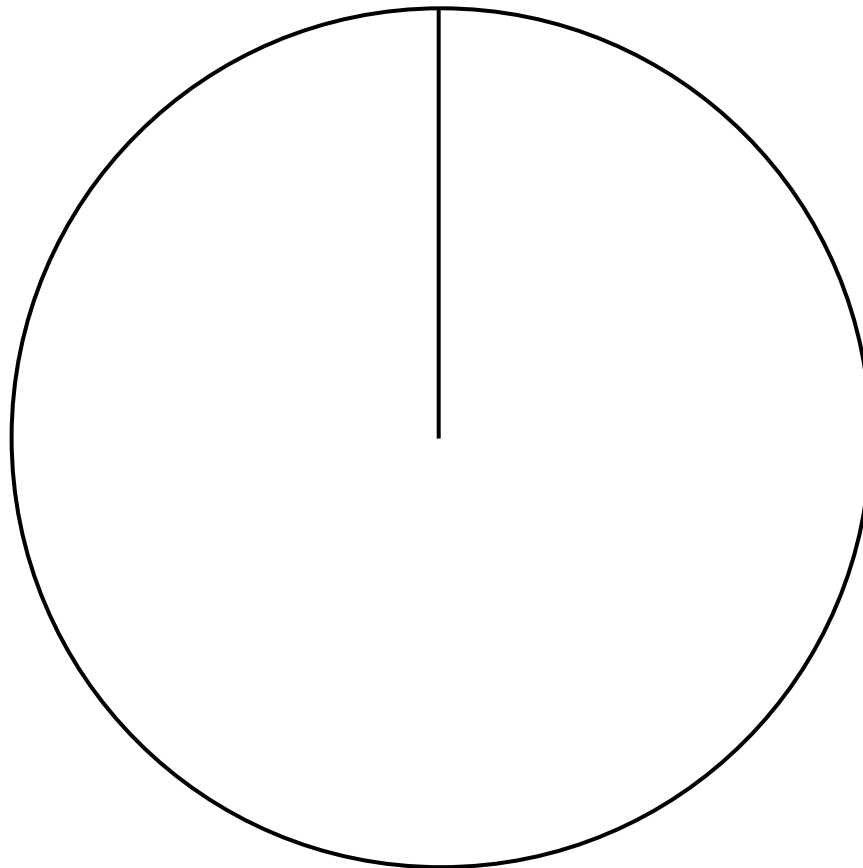
(4 marks)

## Drawing pie charts

5. The table shows peoples favourite ice-cream flavour on the hottest day in August in a particular ice-cream shop.

Flavour	Frequency	
Vanilla	124 $\times 0.8$	99.2
Strawberry	109 $\times 0.8$	87.2
Chocolate	86 $\times 0.8$	68.8
Coconut	64 $\times 0.8$	51.2
Chocolate chip	41 $\times 0.8$	32.8
Other	26 $\times 0.8$	20.8
	450 $\times 0.8$	360°

Draw an accurate pie chart for the ice-cream flavours.



(4 marks)