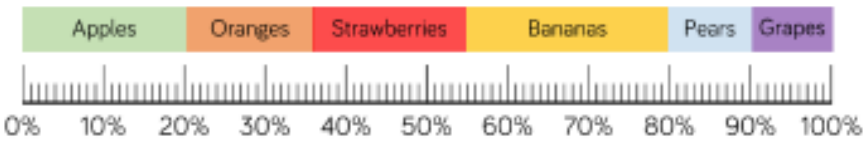
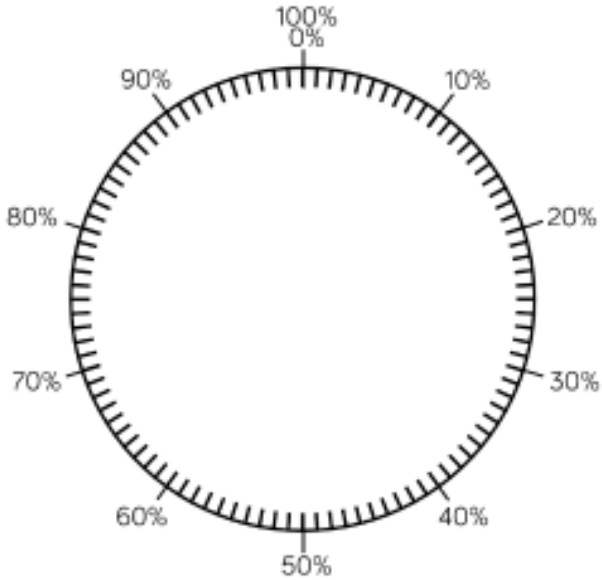
Draw pie charts

- Construct a pie chart using the data shown in this percentage bar model.





- A survey was conducted to show how children in Class 6 travelled to school.

Draw a pie chart to represent the data.

Type of transport	Number of children	Convert to degrees
Car	12	12 × 10 = 120°
Bike	7	
Walk	8	
Bus	5	
Scooter	4	
Total	36	360°

Draw pie charts

A survey was conducted to work out Year 6's favourite sport. Work out the missing information and then construct a pie chart.

Favourite sport	Number of children	Convert to degrees
Football	10	
Tennis	18	
Rugby		$\times 6 = 90°$
Swimming	6	$6 \times 6 = 36°$
Cricket		$\times 6 = 42°$
Golf	4	$4 \times 6 = 24°$
Total	60	360°

Draw pie charts

ANSWERS

Children will then use this to draw a pie chart.

Favourite sport	Number of children	Convert to degrees
Football	10	10 × 6 = 60°
Tennis	18	18 × 6 = 108°
Rugby	15	15 × 6 = 90°
Swimming	6	6 × 6 = 36°
Cricket	7	7 × 6 = 42°
Golf	4	4 × 6 = 24°
Total	60	360°

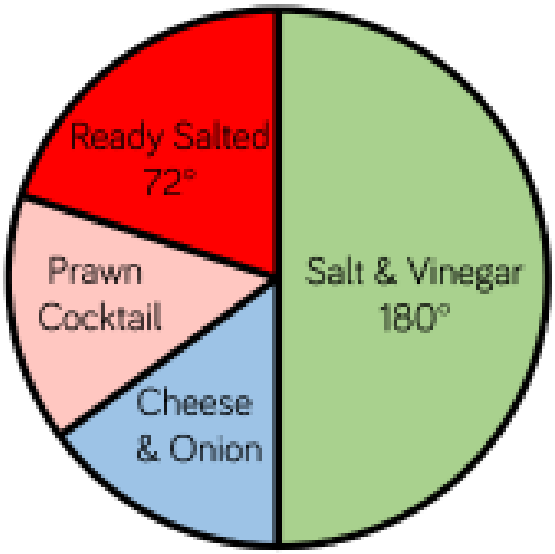
Draw pie charts

A restaurant was working out which Sunday dinner was the most popular. Use the data to construct a pie chart.

Dinner choice	Frequency	Convert to degrees
Chicken	11	
Pork	8	
Lamb	6	
Beef	9	
Vegetarian	6	
Total	40	

Miss Jones is carrying out a survey in class about favourite crisp flavours. 15 pupils chose salt and vinegar.

How many fewer people chose ready salted?



Draw pie charts

ANSWERS

Children will then use this table to draw a pie chart.

Dinner choice	Frequency	Convert to degrees
Chicken	11	11 x 9 = 99°
Pork	8	8 x 9 = 72°
Lamb	6	6 x 9 = 54°
Beef	9	9 x 9 = 81°
Vegetarian	6	6 x 9 = 54°
Total	40	360°

15 pupils = 180°

180 ÷ 15 = 12

12° = 1 pupil

72 ÷ 12 = 6 pupils

15 – 6 = 9

9 fewer students chose ready salted over salt and vinegar.

Draw pie charts

Draw pie charts

ANSWERS