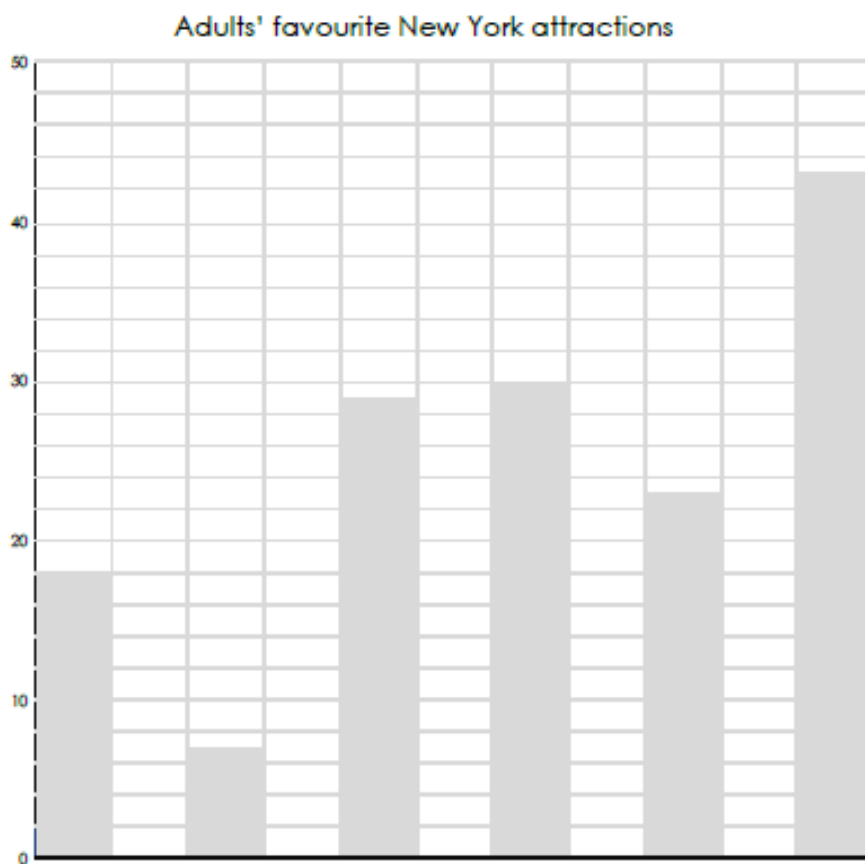## Wednesday 3rd June

L.K: Reading, interpreting and comparing bar charts

Bar charts are different from pictograms as they do not contain pictures to represent data. But, they need to be even more precise! You need to be very careful to use a ruler and either a sharp pencil or a pen to create your bar chart.

Bar charts have axis. Axis are the words we use to describe the horizontal and vertical lines on a bar chart. The X axis the vertical line (line going straight up) and the y axis is the line going horizontal (left to right). The bar charts will show the adults and childrens favourite New York attractions. You need to read the bar charts, label the x and y axis and then answer the questions at the bottom of the page. Make sure to fully explain your answers!
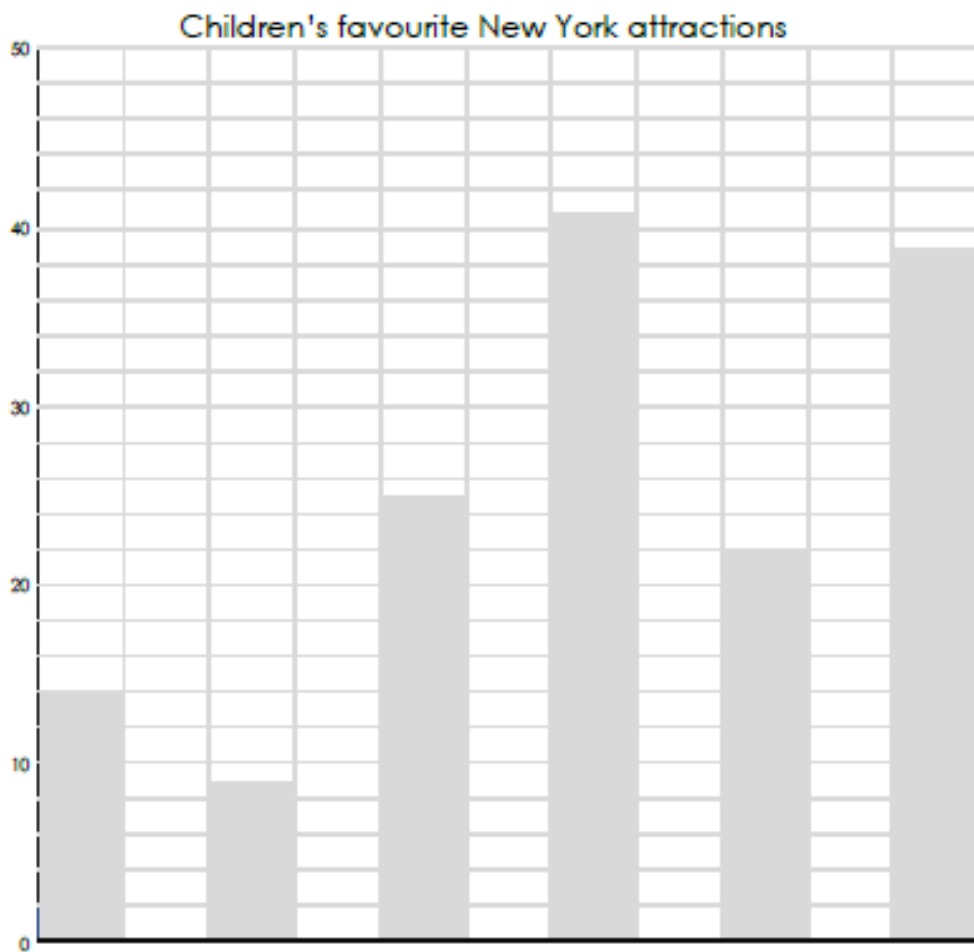
Adults' favourite New York attractions

Label the graph axes with the headings:	Favourite New York attraction	Number of adults
• Number of people	Statue of Liberty	30
• Favourite New York attraction	Brooklyn Bridge	23
	Empire State Building	43
Then, using the frequency table, label the bars with the name of the attraction.	Chrysler Building	29
	Times Square	7
	Central Park	18
	Total	150

Children's favourite New York attractions

Label the graph axes with the headings: • Number of people • Favourite New York attraction Then, using the frequency table, label the bars with the name of the attraction.	

Favourite New York attraction	Number of children
Brooklyn Bridge	22
Chrysler Building	25
Central Park	14
Empire State Building	39
Statue of Liberty	41
Times Square	9
Total	150

1. How many more adults than children said that Central Park was their favourite attraction?

2. What was the total number of people who preferred Times Square?

3. Which 3 attractions would you recommend for a tour of New York for a group of adults and children? Justify your choice.

4. Was the Statue of Liberty more popular for adults or children?

5. Which was the least popular attraction for children? How do you know?

6. In total, was the Empire State Building or the Chrysler Building more popular?

7. What was the most popular attraction overall? Explain how you know.

8. Tim and Julie have decided they want their tour to visit two attractions that are not too far away from each other. They can either take a tour to see the Statue of Liberty and Brooklyn Bridge, or the Empire State Building and Central Park. Which tour would be more popular for children? How do you know?