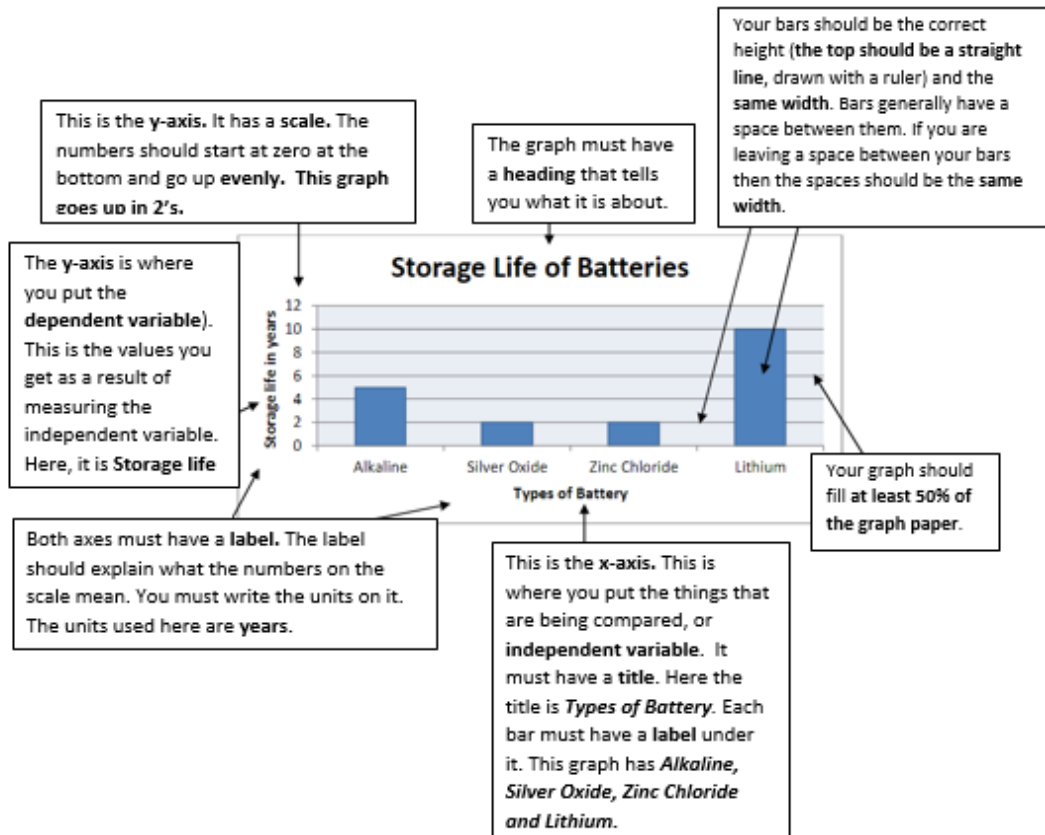


BAR CHART LAYOUT

You should always use **graph paper** and a **ruler**. Do not draw a bar chart /graph straight into your jotter.



Bar chart success criteria

This is how your bar graph will be marked in a test or homework, out of 4 marks:

Constructing a Bar Chart

Give your graph a suitable title (1)

Accurately draw each bar with a solid line at top of each bar (1)



Copy the headings (units) from the table onto the correct axis and label each bar (1)

You should have one of these stuck in the back of your jotter so that you can look at it whenever you need it.

Add a number scale to the Y-axis that starts at zero & goes up in equal intervals (1).

CONSTRUCTING BAR CHARTS

1. Use the information in the table to construct a bar chart on graph paper.
Some help is given with this graph.

Source of Noise	Noise Level (decibels)
Disco loudspeaker	100
Busy traffic	70
Road drill	110
Aircraft taking off	140

Graph heading: "Noise Levels of Various Sources"
Type of graph: Bar graph
Scale on Y axis: Start at 0 at the bottom and go up in 20s.

2. Use the information in the table to construct a bar chart on graph paper.
Some help is given with this graph.

Source of Energy	Percentage of the World's Energy (%)
Coal	31
Oil	26
Natural Gas	19
Renewable Energy	20

Heading: Percentage of the World's Energy from Various Sources
Scale on Y axis: Start at 0 at the bottom and go up in 5s.

3. Use the information in the table to construct a bar chart on graph paper.

Substances in Paint	Percentage of Substance (%)
Binder	54
Solvent	16
Pigment	25
Additive	5

4. Use the information in the table to construct a bar chart on graph paper

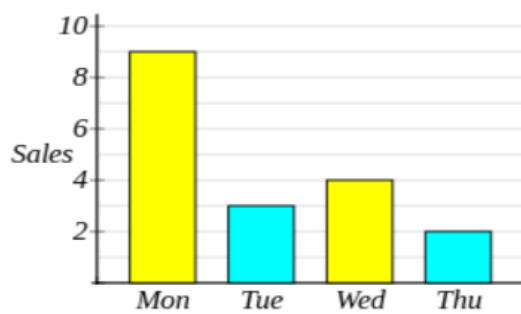
Place	Summer Temperature (°C)
Iceland	10
Shetland	13
Western Isles	14
Mainland Scotland	15

5. Use the information in the table to construct a bar chart on graph paper

Electricity Supplier	Cost per Unit (p)
Northpower	17
Southpower	14
Eastpower	12
Westpower	10

READING BAR CHARTS - TASKS

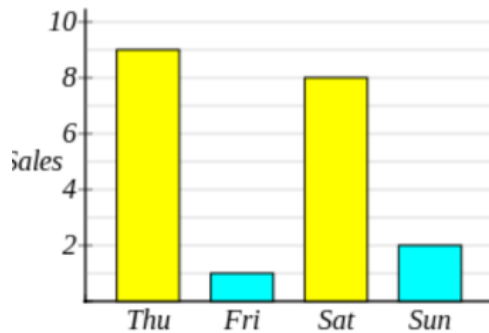
1) The bar chart shows the number of computers sold in a store during the first four days of this week. [1]



How many computers did they sell on Tuesday?

2)

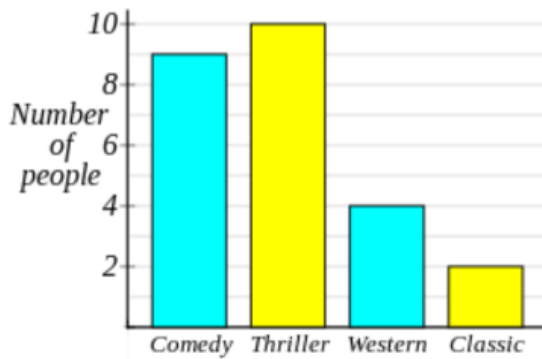
The bar graph shows the number of board games a store sold in the last 4 days. [1]



- How many board games did they sell on Sunday?
- On what day did they sell the most board games?
- How many more board games did they sell on Thursday com

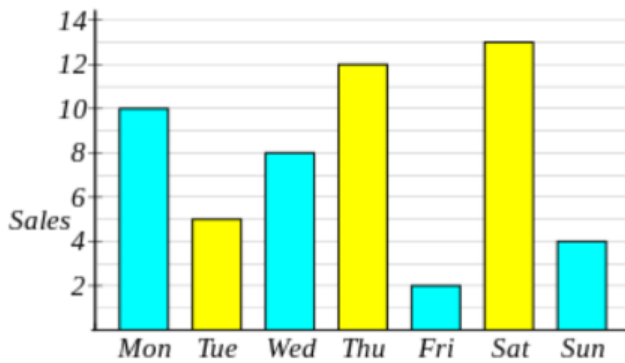
- 3
- a. 2 b. Thursday
- 8
- a. 4 b. Comedy
- c. Thriller d. 25
- a. 10 b. Thursday
- c. Saturday
- d. 54

3) A group of students were surveyed on their favourite type of movie. Use the bar chart to answer the questions below. [1]



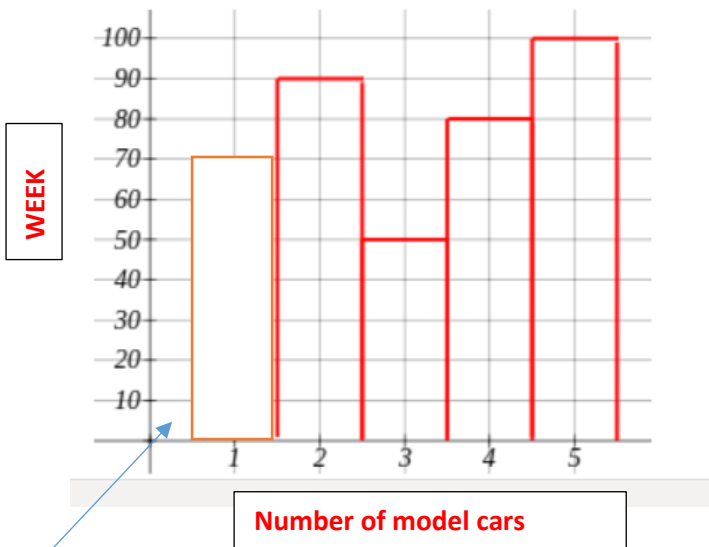
- a) How many students prefer Western movies?
- b) Which type of movie was preferred by 9 students?
- c) Which is the most popular movie?
- d) How many students were surveyed?

4) The bar graph shows the number of model cars a shop sold last week. [1]



- a) How many model cars were sold on Mon?
- b) On which day were 12 model cars sold?
- c) On which day were the most model cars sold?
- d) How many model cars were sold altogether?

5. The bar chart and table show the number of model cars a store sold during a five month period. Copy and complete the graph below on graph paper.

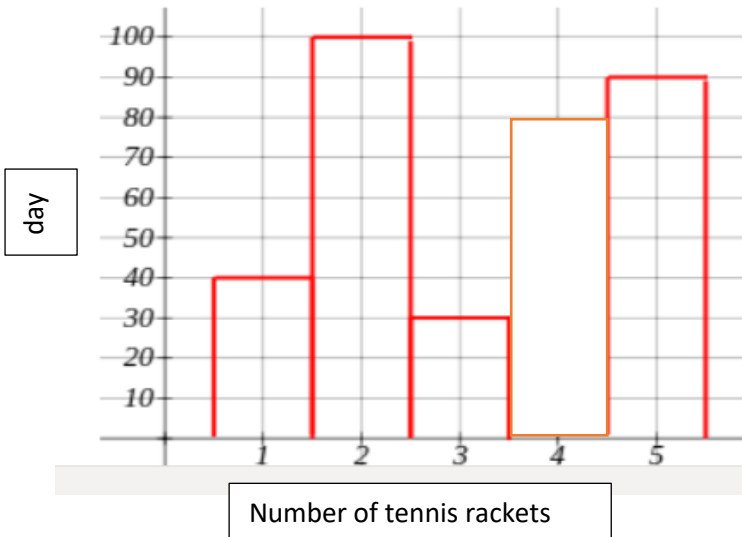


Week	Number of model cars
1	70
2	90
3	50
4	80
5	100

Note, since this bar chart has no spaces between the other bars, there shouldn't really be one at the start but since it is there then you get the mark on this occasion.

6.

The bar chart and table show the number of tennis rackets sold during a 5-month period. Copy and complete the bar chart onto graph paper and complete the table using the information provided.



Day	Number of tennis rackets
1	40
2	100
3	30
4	80
5	90