



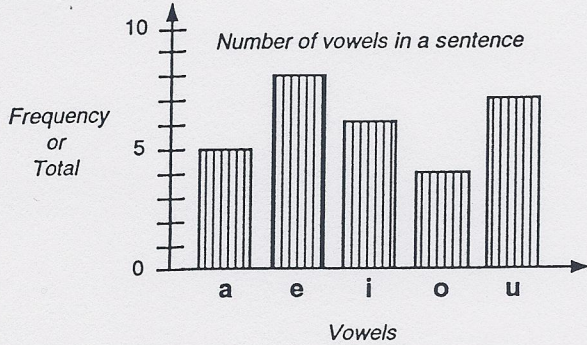
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Displaying Data: Column Graphs

Data that has been collected using a tally chart can be displayed in several ways.

Example:



All column graphs should have ...

- a title or name,
- a label on each axis (lines with arrows),
- a scale on the frequency axis,
- gaps between columns.
- all columns should be the same width

From this graph we can see that there were 8 e's. How many u's were there?

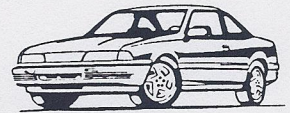
Creating Column Graphs

Task 5

Jim counted the number of cars going past the school gate in 30 minutes. He noted the colour of each car.

Car Colour	Frequency
red	8
white	9
blue	7
grey	5
black	6

1. Create a **column graph** to display his results.
2. What was the most common car colour?
3. How many more white cars than grey cars were there?
4. What colour of car came past the gate 8 times?
5. How many cars did Jim count altogether?



Pupils in the year 5 & 6 classes have to choose one sport to play during the winter. This table shows their choices.



Sport	Total
netball	11
hockey	16
rugby	12
soccer	13

6. Create a **column graph** to display these results.
7. What sport was most popular?
8. How many wanted to play soccer?
9. If both classes have the same number of pupils in them, how many are there in each class?



On a school camp, pupils can have either an apple, a banana, an orange or a pear for afternoon tea. This is what they selected.



banana, apple, orange, orange, pear, banana, pear, orange, pear, apple, apple, orange, pear, banana, pear, pear, apple, apple, pear, orange, banana, orange, pear, orange, apple, pear, apple, apple, pear, apple, banana, pear, orange, pear



10. Organise this data into a **tally chart**.
11. Create a **column graph** using your tally chart results.
12. What fruit was the most popular choice?
13. What fruit was chosen 5 times?
14. If all pupils on camp ate fruit, how many pupils were on camp?



15. Create **column graphs** from the **tally charts** you created in **Task 3, Worksheet 2**.

Carrying out an Investigation

Task 6

Using the tally chart you created in **Task 4, Worksheet 2** create a **column graph** of your results.