

22.02.21

WALT: Interpreting pictograms and bar charts

Vocabulary check

discrete data

title

label

pictogram

symbol

key

bar chart

axis/axes

scale

interval

value


Compare these two pictograms


What is the same?
What is different?

What are the **key features** of pictograms?







 = 2 ice creams


Team	Number of house points
Sycamore	
Oak	
Beech	
Ash	

 = 20 points


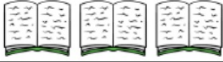
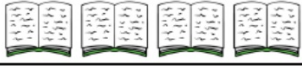




Class	Books read
Class 1	
Class 2	
Class 3	
Class 4	

Key

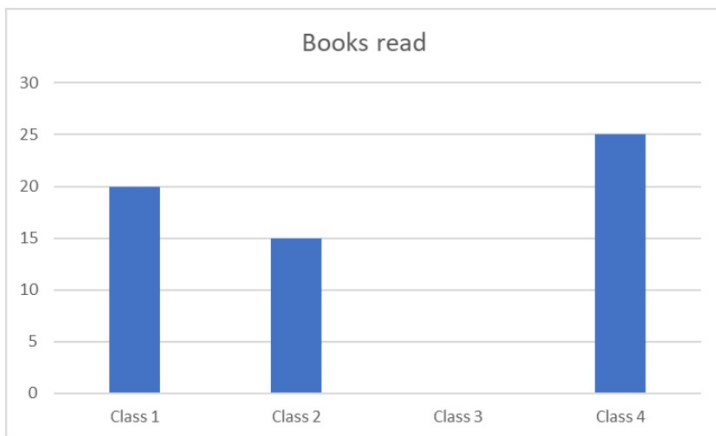
 = 5 books

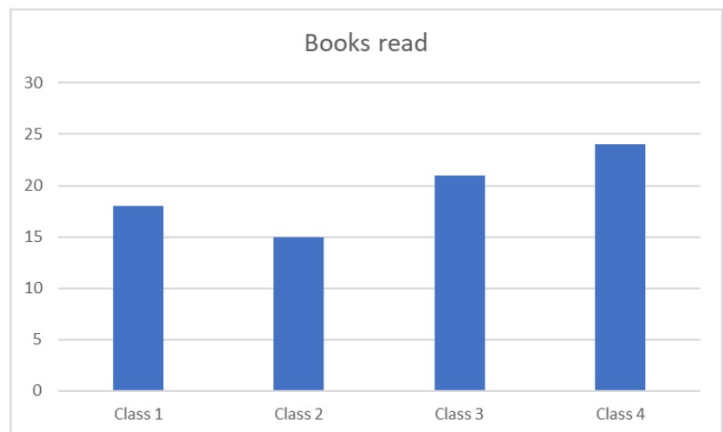
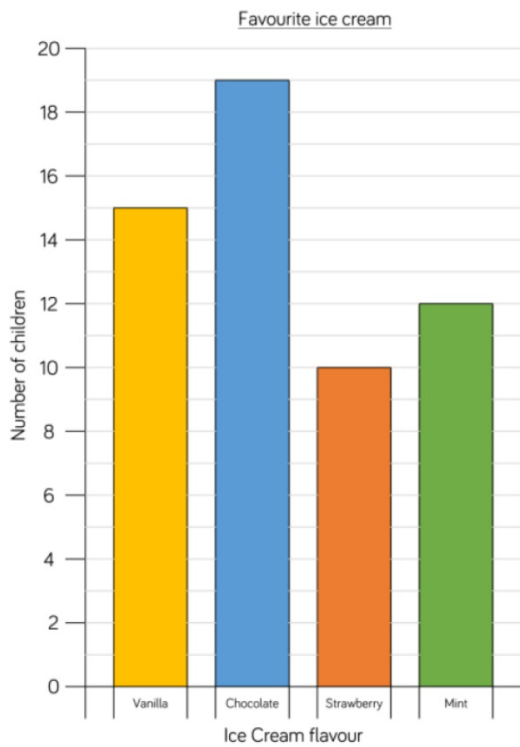
Can you think of any problems presenting similar data in a pictogram like this?

Class	Books read
Class 1	
Class 2	
Class 3	
Class 4	

Key
 = 5 books

Compare these two forms of data.
 What is the same? What is different?





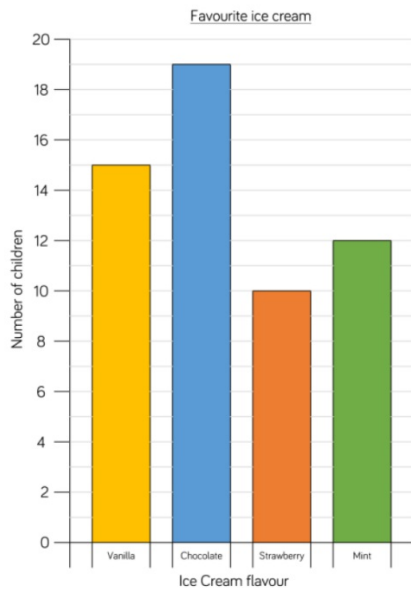
Compare these two bar charts.

What is the same?

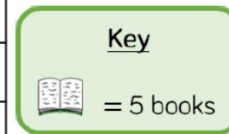
What is different?

What are the **key features** of bar charts?





Class	Books read
Class 1	5 books
Class 2	3 books
Class 3	4 books
Class 4	6 books



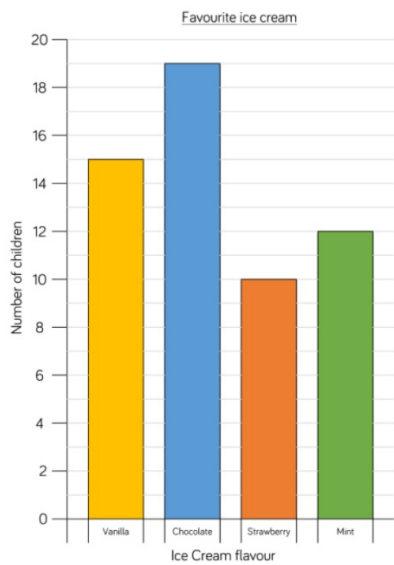
Team	Number of house points
Sycamore	5 points
Oak	4 points
Beech	5 points
Ash	5 points

■ = 20 points

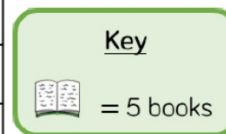


How did this data end up in these bar charts and pictograms?
Why?





Class	Books read
Class 1	5 books
Class 2	3 books
Class 3	4 books
Class 4	6 books



Team	Number of house points
Sycamore	5 points
Oak	4 points
Beech	5 points
Ash	5 points

■ = 20 points

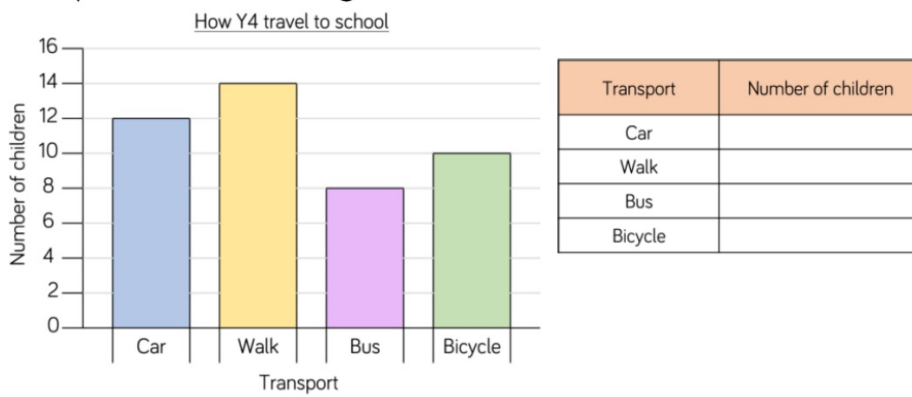


How did this data end up in these bar charts and pictograms?
Why?



Try It

Complete the table using the information in the bar chart.

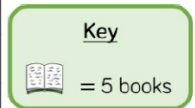
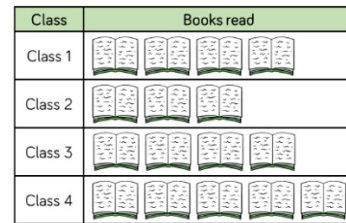
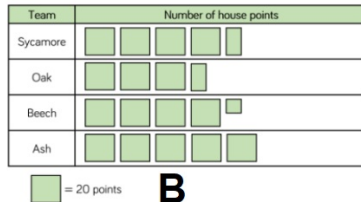
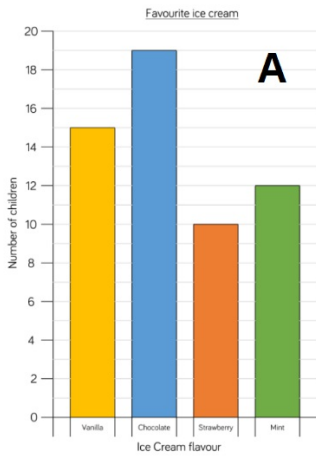


What is the most/least popular way to get to school?

How many children walk to school?

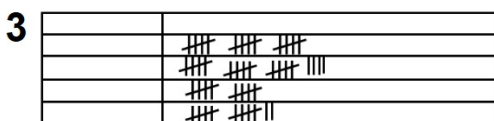
Use It

Match the table or tally charts with the correct bar chart or pictogram. Explain how you made your choices.



1

	90
	70
	85
	100



What is missing from the table/tally charts?


Prove It

- 1** Halifax City Football Club sold the following number of season tickets:
- Male adults – 6,382
 - Female adults – 5,850
 - Boys – 3,209
 - Girls – 5,057

Would you use a bar chart, table or pictogram to represent this data? Explain why.

- 2** Alex wants to use a pictogram to represent the favourite drinks of everyone in her class.



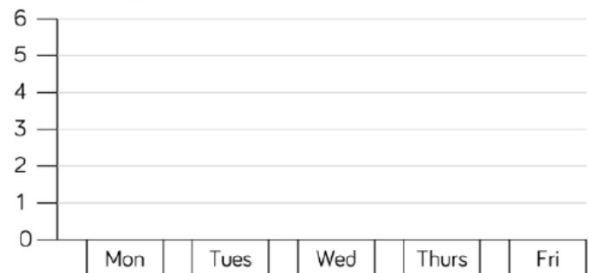
I will use this image  to represent 5 children.

Explain why this is not a good idea.

- 3** Here is some information about the number of tickets sold for a concert.

Day	Number of tickets sold
Monday	55
Tuesday	30
Wednesday	45
Thursday	75
Friday	85

Jack starts to create a bar chart to represent the number of concert tickets sold during the week.



What advice would you give Jack about the scale he has chosen?

What would be a better scale to use?

Is there anything else missing from the bar chart?