

Diving into Mastery



Bar Charts

twinkl

Diving into Mastery Guidance for Educators

Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:



Diving



Deeper



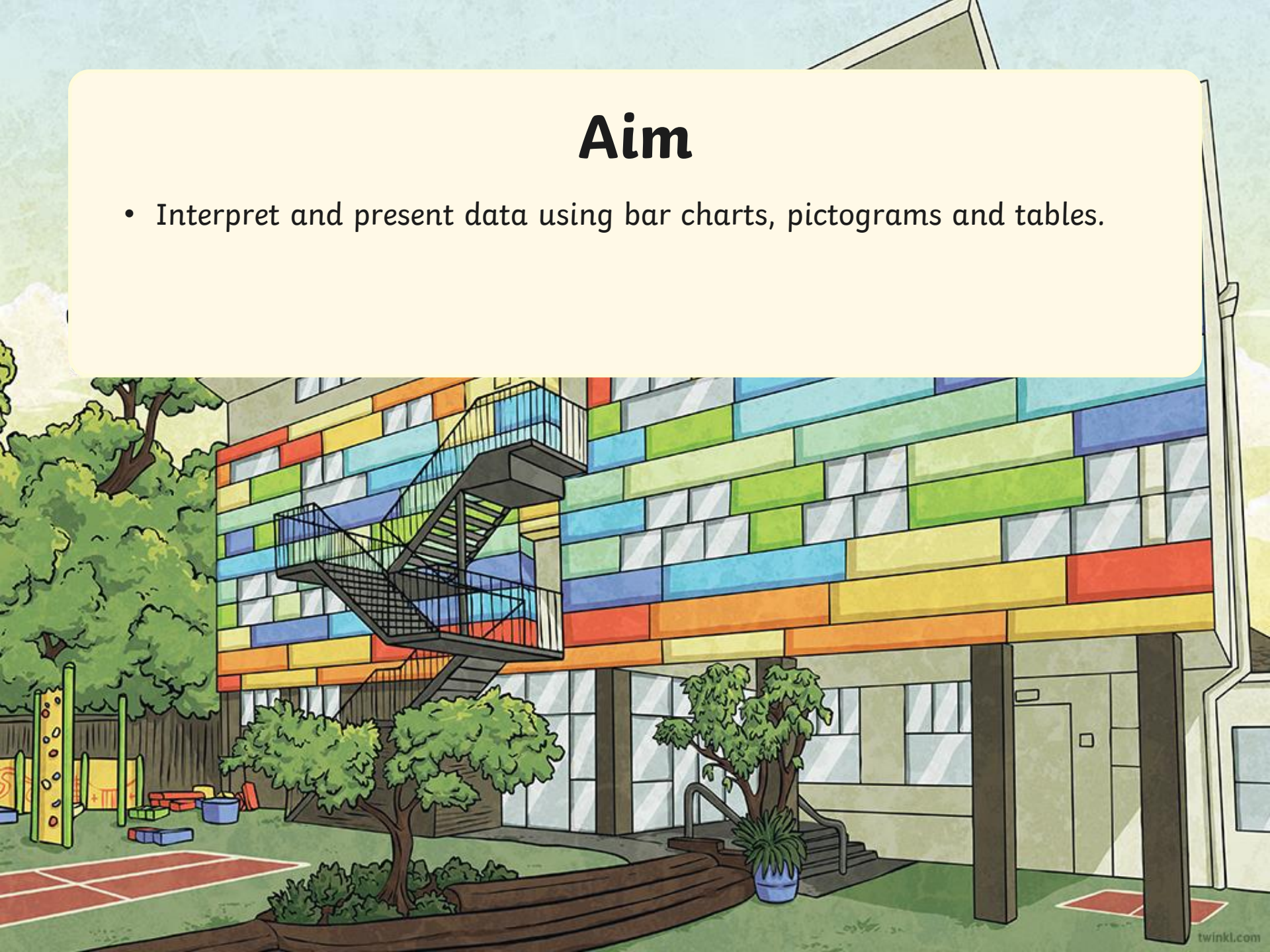
Deepest

These carefully designed activities take your children through a learning journey, initially ensuring they are fluent with the key concept being taught; then applying this to a range of reasoning and problem-solving activities.

These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.

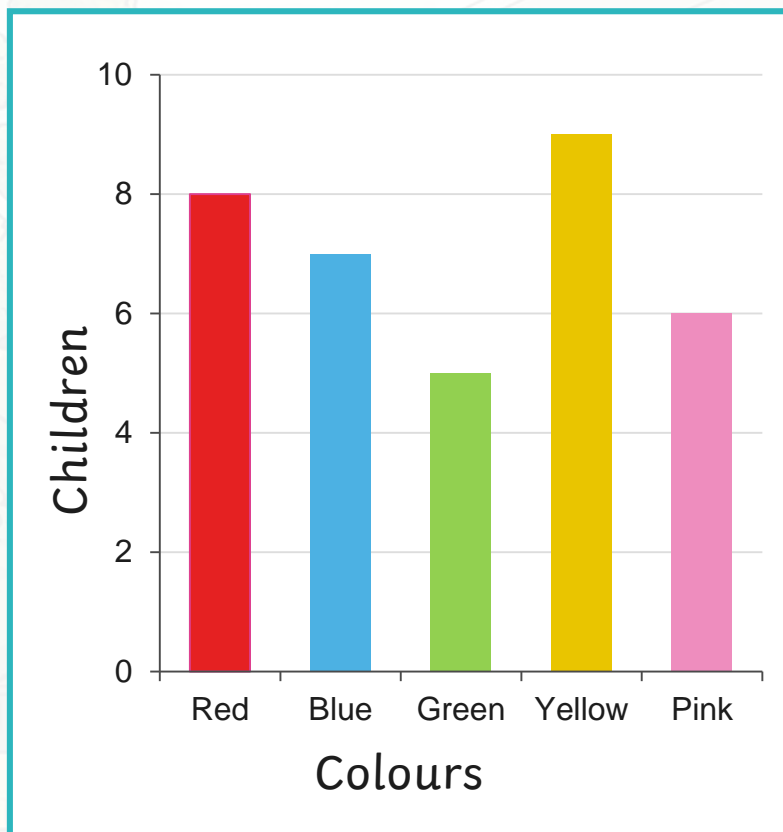
Aim

- Interpret and present data using bar charts, pictograms and tables.





The children in Class A voted for their favourite colour. They represented the data in a bar chart.



green colour is the least popular?

How many children chose yellow
9 their favourite?

How many more children chose
1 than blue?

How many children chose yellow
15 pink altogether?

What would be a good title for the
Favourite Colours of Class A



Year 3 found out what each child liked to do at lunchtime in the playground.

Activity	Dancing	Football	Running	Singing
Total	15	35	20	5

Describe how you would represent this data in a bar chart.
What scale would you use? Why?

A scale going up in fives would be sensible as all the numbers are multiples of 5.



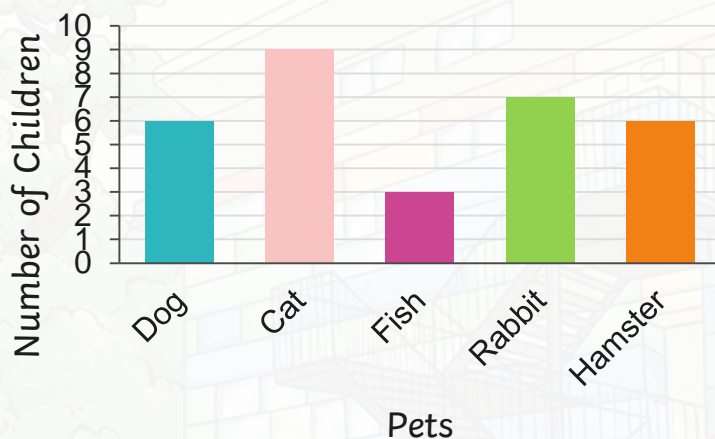
Bar Charts

Deeper

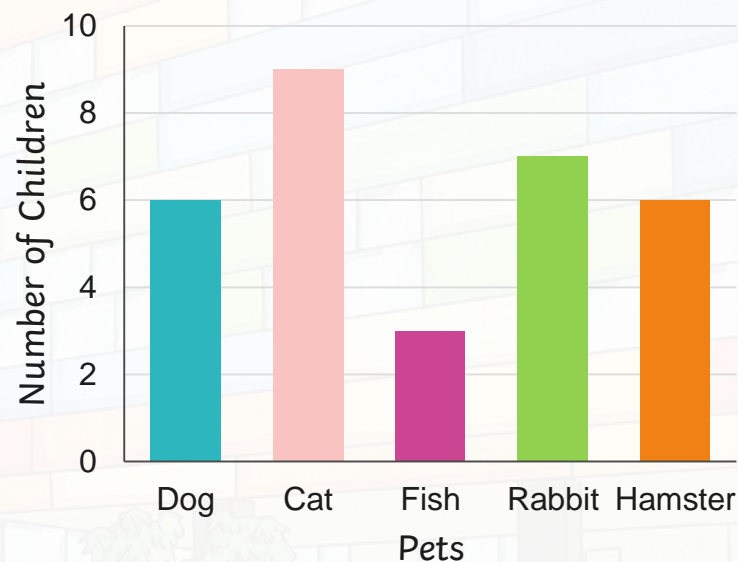


The children in Class B have been finding out what pets each child owns.

Fred drew this bar chart.



Anna drew this bar chart.



Each bar chart represents the **same** data.
Each bar chart uses a **different** scale.



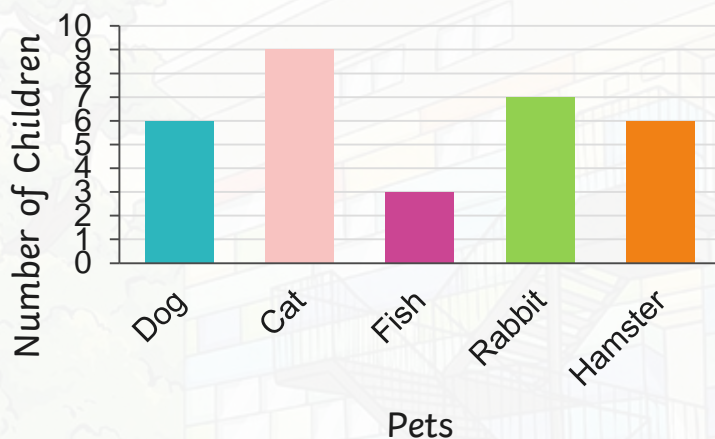
Bar Charts

Deeper

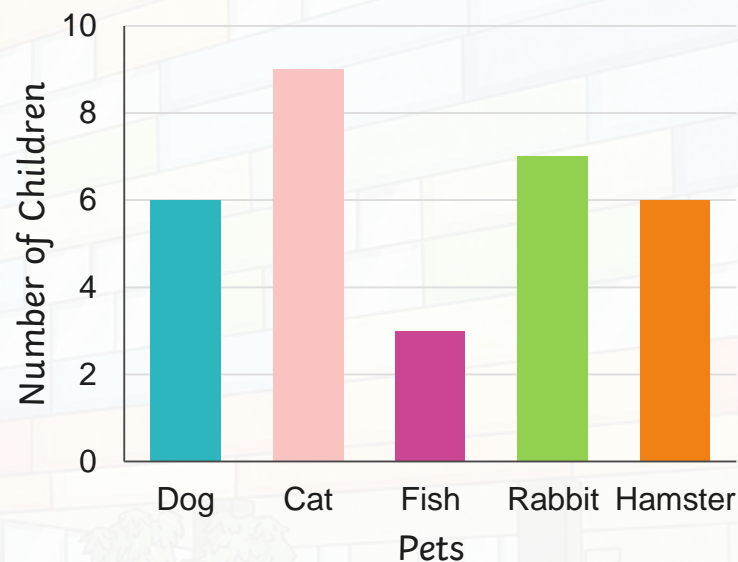


The children in Class B have been finding out what pets each child owns.

Fred drew this bar chart.



Anna drew this bar chart.



Which bar chart do you think represents the data best? Why?

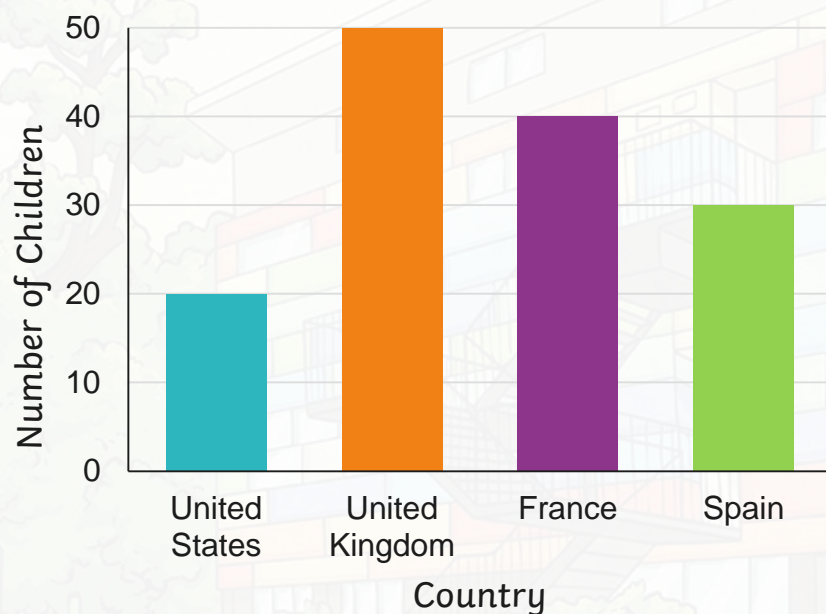


Bar Charts

Deepest



The bar chart shows where the children from years 3 and 4 went on their summer holidays.



True - reading the scale on the axis shows that 50 children had holidays in the UK.

No - the chart shows us who holidayed in the UK, not which parts of the UK.

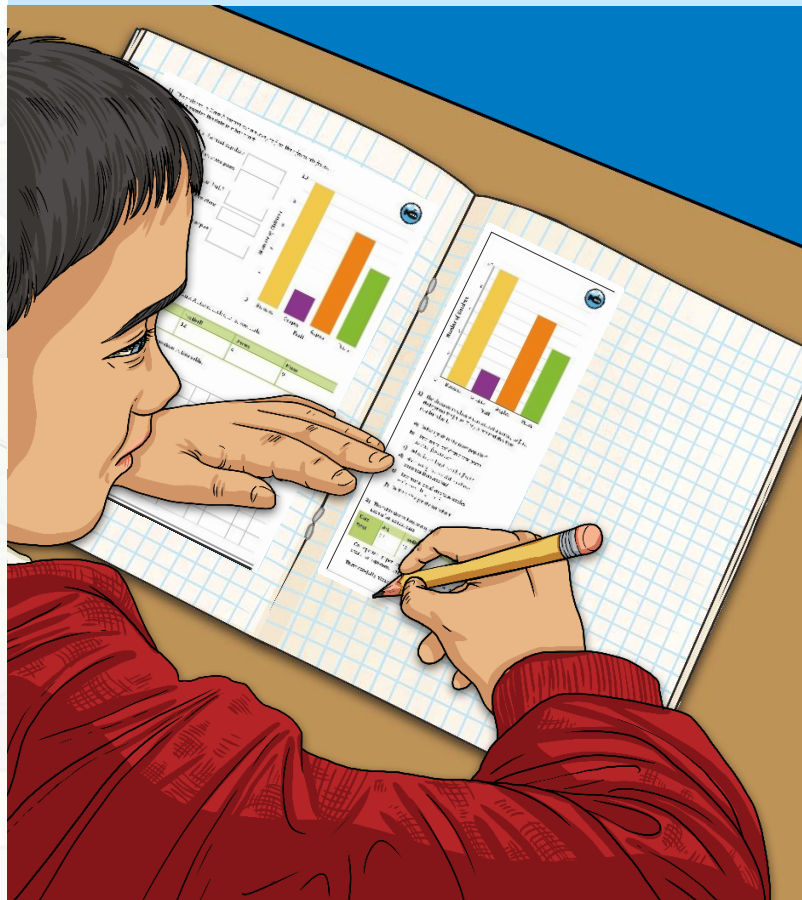
20 more children went to France than the United States.

There are 140 children there in years 3 and 4.



Bar Charts

Dive in by completing your own activity!



1) The bar chart shows the number of children who chose each fruit as their favourite.

Number of Children

10
8
6
4
2
0

a) 2 children chose bananas.
b) Does anyone choose grapes?
c) What is the least popular fruit?
d) How many more children chose bananas than apples?
e) How many children chose apples and pears altogether?

2) Draw a bar chart to show the information in the table below.

Use what you know about bar charts to draw the chart.

1) Critically analyse the bar chart below.

Number of Children

35
30
25
20
15
10
5
0

a) Which fruit is the most popular?
b) How many children chose pears as their favourite?
c) What is the least popular fruit?
d) How many more children chose bananas than apples?
e) How many children chose apples and pears altogether?
f) Write a title for the bar chart.

1) The children in Class A carried out a survey to find their favourite fruits. They presented the data in a bar chart.

Number of Children

10
8
6
4
2
0

Fruit

Banana Grapes Apples Pears

2) The table shows how many children in Class A attend each after school club.

Club	Art	Football	Drama	Music
Total	11	12	8	9

Draw a bar chart to represent the information in this table.

Think carefully about the scale you will choose.

Number of Children

40
30
20
10
0

a) What is the most popular club?
b) How many children attend drama?
c) How many more children attend football than art?

Need Planning to Complement this Resource?

National Curriculum Aim

Interpret and present data using bar charts, pictograms and tables.

For more planning resources to support this aim, [click here](#).

The collage features several resource thumbnails:

- The Big Question**: A worksheet titled "Can you help me to plan the most popular celebration?" with an illustration of children.
- Club Celebration**: A worksheet titled "Help me to choose between the following options" with a large play button icon.
- Club Celebration**: A worksheet titled "Help me to choose between the following options" with a pictogram of children.
- Spot the Difference**: A worksheet titled "Look at the table and the pictogram" with a table and a pictogram.
- Bar Chart Bingo**: A worksheet titled "Look carefully at the bar chart and your bingo card" with a bar chart and a bingo card.
- Statistics Starter Ideas**: A worksheet titled "Statistics Starter Ideas" with a list of activities and a table.

The Twinkl Planit logo is visible in the bottom right corner of the collage.

Twinkl PlanIt is our award-winning scheme of work with over 4000 resources.



