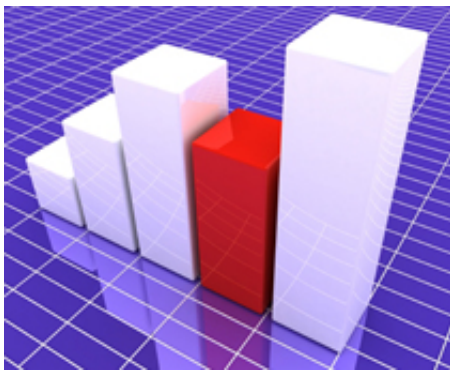# KS1 Maths Quiz - Year 2 Data Handling - Interpreting Data (Questions)

This quiz addresses the requirements of the National Curriculum KS1 Maths and Numeracy for children aged 6 and 7 in year 2. Specifically this quiz is aimed at the section dealing with interpreting and constructing simple pictograms, tally charts, block diagrams and simple tables and asking and answering simple questions by counting the number of objects in each category and sorting the categories by quantity.

Interpreting information for children in Year 2 begins with constructing their own tally charts, bar charts, tables and pictograms to record data. This might involve making a chart or table for the most common eye colour in the class, the most popular pet or the favourite colour. Organising, displaying and interpreting this data is a key skill and may require some practise.

1. When we look at tables, graphs and tallying, it is called...

- [ ] Data Maths
- [ ] Data Grouping
- [ ] Data Drawing
- [ ] Data Handling

2. What kind of chart might you use to show the different eye colours in the class?
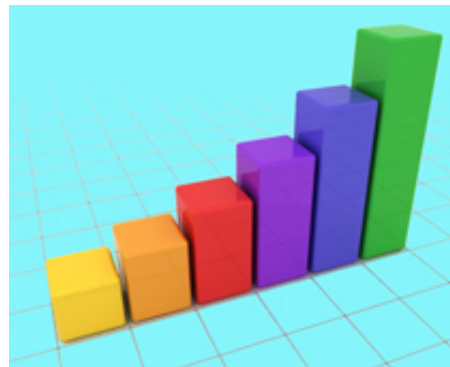

- [ ] A pictogram - one pair of eyes for each child
- [ ] A line graph
- [ ] A chart
- [ ] Tallying

3. Sam measured himself every month for a year and wrote his results in a table.
What would you expect to see?

- [ ] Sam's start height was more than his height at the end of the year
- [ ] Sam stayed the same height all year
- [ ] Sam's height changed by over 2m
- [ ] Sam's start height was shorter than his height a year later

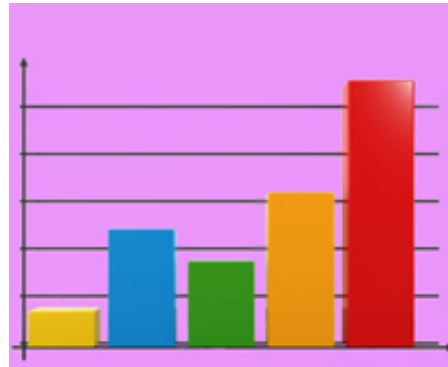**4. Which colour has the highest value in this bar chart?**

- [ ] Red
- [ ] Purple
- [ ] Green
- [ ] Yellow

5. Sam is struggling to read his bar chart. He has labelled the numbers at the side, but what else should he have done?

[ ] Label each bar along the bottom
[ ] Coloured them in neatly
[ ] Made all the bars bigger to see them clearly
[ ] Turned the graph upside down

6. This graph shows favourite colours in a class. What was the least favourite colour?

[ ] Yellow
[ ] Blue
[ ] Orange
[ ] Red

7. This pie chart shows the colours of swimming costumes in a class. What is the most popular colour?

[ ] Red
[ ] Green
[ ] Blue
[ ] Purple

8. Zak wants to ask his friends about their favourite TV programmes. How could he organise the information?

[ ] He could send them all a letter
[ ] He should just try to remember everyone's answers
[ ] He could write a story about it
[ ] In a table so he can tally

9. The teacher tallied the quality of homework handed in by her class. How many children handed in 'Good' or 'Excellent' homework?

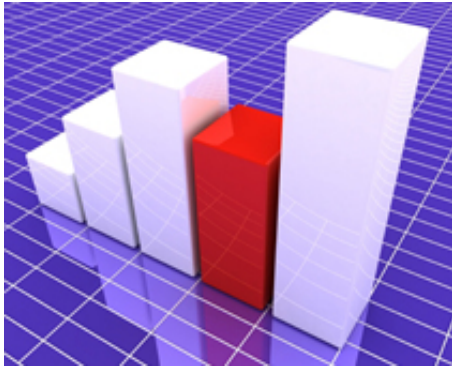

[ ] 18
[ ] 25
[ ] 22
[ ] 12

10. How much has been tallied here?

[ ] 18
[ ] 22
[ ] 27
[ ] 20

KS1 Maths Quiz - Year 2 Data Handling - Interpreting Data (Answers)

1. When we look at tables, graphs and tallying, it is called...

[ ] Data Maths
[ ] Data Grouping
[ ] Data Drawing
[x] Data Handling

Data Handling covers all the work in maths about using data and results

2. What kind of chart might you use to show the different eye colours in the class?

[x] A pictogram - one pair of eyes for each child
[ ] A line graph
[ ] A chart
[ ] Tallying

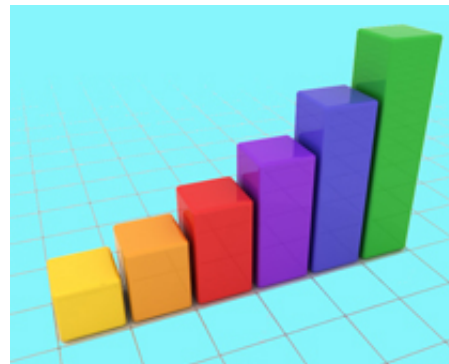A pictogram is a clear visual way of presenting information

3. Sam measured himself every month for a year and wrote his results in a table.
What would you expect to see?

[ ] Sam's start height was more than his height at the end of the year
[ ] Sam stayed the same height all year
[ ] Sam's height changed by over 2m
[x] Sam's start height was shorter than his height a year later

Most children grow at least a few centimetres each year

4. Which colour has the highest value in this bar chart?

[ ] Red
[ ] Purple
[x] Green
[ ] Yellow

The green bar is the tallest so it must have the highest value

5. **Sam is struggling to read his bar chart. He has labelled the numbers at the side, but what else should he have done?**

[x] Label each bar along the bottom
[   ] Coloured them in neatly
[   ] Made all the bars bigger to see them clearly
[   ] Turned the graph upside down

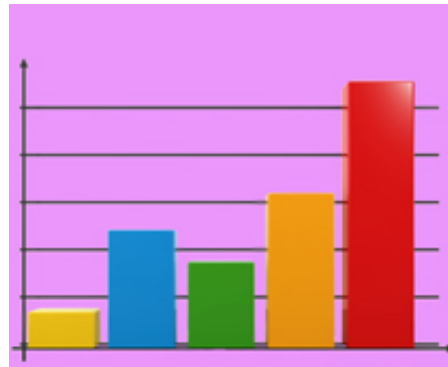Labelling the information on a graph is really helpful for anyone trying to understand it

6. **This graph shows favourite colours in a class. What was the least favourite colour?**

[x] Yellow
[   ] Blue
[   ] Orange
[   ] Red

Yellow is the shortest bar and red was the most popular colour

7. **This pie chart shows the colours of swimming costumes in a class. What is the most popular colour?**

[   ] Red
[   ] Green
[x] Blue
[   ] Purple

The largest section of the 'pie' is blue, so this is most popular

8. **Zak wants to ask his friends about their favourite TV programmes. How could he organise the information?**

[   ] He could send them all a letter
[   ] He should just try to remember everyone's answers
[   ] He could write a story about it
[x] In a table so he can tally

The table could have a space for the child's name, and a list of five or six programmes to choose from

9. **The teacher tallied the quality of homework handed in by her class. How many children handed in 'Good' or 'Excellent' homework?**

[x]   18
[   ]   25
[   ]   22
[   ]   12

Excellent got 6 and Good got 12

10. **How much has been tallied here?**

[   ]   18
[   ]   22
[x]   27
[   ]   20

Each group is a group of 5 when we tally