Year 6 Worksheet 7: Statistics and Data Interpretation

Level: Beginner

1. Look at the bar chart: What is the tallest bar?

2. Complete the tally chart for 6 bananas, 3 apples, 4 oranges.

3. How many votes for blue in the pictogram?

4. What does each symbol mean in the pictogram?

5. What's the total number of pets shown?

6. Which day had the most rainfall?

7. Circle the mode of this data: 5, 3, 5, 7, 2

8. Draw a simple bar chart using this data: red-5, blue-3, green-7

9. Which category had the fewest votes?

10. Read and interpret the table about class birthdays.

[Use the space below to work out your answers. Show all your working.]

Year 6 Worksheet 7: Statistics and Data Interpretation

Level: Intermediate

1. Find the range of: 7, 10, 3, 6, 9

2. What is the mean of: 12, 14, 10, 16, 18?

3. Complete the bar chart based on data provided.

4. Interpret a line graph showing temperature over a week.

5. Use a tally chart to record favourite sports of 10 people.

6. What is the median of: 2, 8, 1, 4, 6?

7. Create a frequency table for dice rolls: 1, 2, 2, 5, 6, 2, 4, 4

8. How many more students like maths than history?

9. Convert tally marks into a bar graph.

10. Identify errors in the presented chart.

[Use the space below to work out your answers. Show all your working.]

Year 6 Worksheet 7: Statistics and Data Interpretation

Level: Difficult

1. Draw and label a pie chart from given data.

2. Interpret dual bar chart comparing two classes.

3. Calculate mean number of books read: 7, 5, 9, 8, 6.

4. Find and interpret the mode and range.

5. Write two conclusions from the line graph.

6. Compare data from two tables and discuss trends.

7. A bar graph shows class attendance. What's the difference between best and worst days?

8. Estimate the mean of grouped data.

9. Create your own survey, collect data, and present in chart.

10. Interpret timetable to find arrival and departure times.

[Use the space below to work out your answers. Show all your working.]

Year 6 Worksheet 7: Statistics and Data Interpretation

Level: Super Challenging

1. Solve: If 120 students took a survey, and 1/3 liked maths, how many?

2. Use a pie chart with %s to calculate actual student numbers.

3. Estimate and compare two sets of data shown in graphs.

4. Find the mean, median, and mode from a complex data set.

5. Write three questions someone could ask about a given line graph.

6. Compare two pie charts and describe key differences.

7. Create a bar graph and pie chart from same data.

8. Find % increase between two years from a chart.

9. A pupil is late 6 times in 3 months. Predict trend for next term.

10. Write a conclusion about the class's favourite book genre based on data.

[Use the space below to work out your answers. Show all your working.]