

The Mode: Problem Solving Worksheet

Complete each problem below. Show your working where possible. Remember, the **mode** is the value that appears most frequently in a data set.

1. Find the mode of the following set of numbers: 7, 9, 7, 5, 8, 7, 6
2. The following scores were recorded in a spelling test: 12, 15, 13, 15, 14, 12, 15, 13.
What is the mode?
3. In a survey, the number of pets owned by 10 students is: 2, 3, 1, 3, 2, 4, 3, 2, 1, 3.
What is the mode?
4. A dice is rolled 10 times, and the results are: 4, 2, 5, 6, 4, 3, 4, 2, 1, 4.
5. **What is the mode?**
6. The following data shows the number of books read by students in one month: 5, 7, 6, 5, 8, 6, 7, 6, 5, 6. **Find the mode.**
7. The shoe sizes of students in a class are: 6, 7, 8, 6, 9, 7, 8, 8, 7, 8.
What is the mode?
8. The ages of children at a birthday party are: 8, 9, 8, 10, 7, 8, 9, 8, 7, 8.
Find the mode.
9. A group of friends recorded the number of hours they spent playing video games in a week: 3, 4, 3, 5, 4, 3, 6, 3, 4, 5. **What is the mode?**

The number of pencils in different pencil cases are: 10, 12, 11, 13, 12, 10, 12, 11, 12, 13.
Find the mode.

10. The temperatures (in °C) recorded over a week are: 18, 19, 18, 20, 19, 18, 21.
What is the mode?
11. The number of goals scored by a football team in 8 matches: 2, 3, 2, 4, 3, 2, 5, 2.
Find the mode.
12. The marks obtained by students in a quiz: 7, 8, 7, 9, 8, 7, 10, 8, 7, 9.
What is the mode?

Answer Key

1. 7
2. 15
3. 3
4. 4
5. 6
6. 8
7. 8
8. 3
9. 12
10. 18
11. 2
12. 7