Statistics topic test

Name: _____ Date: _____

12 questions | 19 marks | 30 minutes

Data types, mode, displays, line graphs and fair conclusions.

No calculator needed.

1. Is favourite fruit category data or number data? [1 mark]

2. Is the number of books in a bag category data or number data? [1 mark]

3. Find the mode of 2, 4, 4, 7, 4, 8. [1 mark]

4. Find every mode of 1, 3, 1, 5, 3. [1 mark]

5. How many votes are in the fruit table? [1 mark]

One vote from each of 20 fictional students

Fruit	Votes
Apples	8
Bananas	6
Oranges	4
Pears	2

6. How many more pupils chose apples than pears? [1 mark]

One vote from each of 20 fictional students

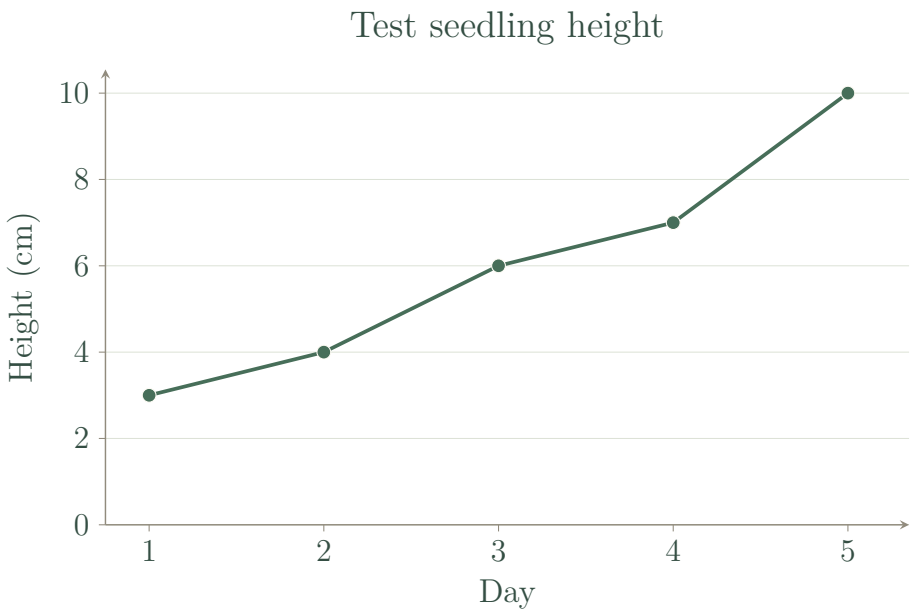
Fruit	Votes
Apples	8
Bananas	6
Oranges	4
Pears	2

7. Draw a column graph for the fruit table. Include a title, labels and a fair scale.
[4 marks]

One vote from each of 20 fictional students

Fruit	Votes
Apples	8
Bananas	6
Oranges	4
Pears	2

8. Read the seedling's height on day 4. [1 mark]



9. How much did the seedling grow from day 1 to day 5? [1 mark]

Test seedling measured at the same time each day

Day	Height (cm)
1	3
2	4
3	6
4	7
5	10

10. Equal grid intervals on a graph are labelled 0, 5, 10, 20. Explain the problem. [2 marks]

11. Pencil lengths are recorded as 12, 14, 130, 15 centimetres. What should happen before graphing? [2 marks]

12. Only ten pupils from one class answer a school-lunch survey. State one limit and one way to improve the plan. [3 marks]