Comparative displays

6 questions | 11 marks

Equivalent correct methods earn the corresponding marks.

1. Using the table, how many Class A students finished exactly one book? [1 mark]

Practice data: books finished during one week by ten students in each class

Books finished	Class A frequency	Class B frequency
0	2	1
1	4	2
2	3	4
3	1	3

Read Class A at the value 1 book.

Answer: 4 students.

2. Using the table, how many students are recorded in Class B? [2 marks]

Practice data: books finished during one week by ten students in each class

Books finished	Class A frequency	Class B frequency
0	2	1
1	4	2
2	3	4
3	1	3

Add the frequencies: $1 + 2 + 4 + 3 = 10$.

Answer: 10 students.

3. How many students across both classes finished exactly two books? [2 marks]

Practice data: books finished during one week by ten students in each class

Books finished	Class A frequency	Class B frequency
0	2	1
1	4	2
2	3	4
3	1	3

Class A has 3 and Class B has 4.

$3 + 4 = 7$.

Answer: 7 students.

4. Compare the numbers who finished zero or one book. [2 marks]

Practice data: books finished during one week by ten students in each class

Books finished	Class A frequency	Class B frequency
0	2	1
1	4	2
2	3	4
3	1	3

Class A: $2 + 4 = 6$.

Class B: $1 + 2 = 3$.

Answer: Class A: 6; Class B: 3.

5. A different school compares 8 students out of 10 with 12 students out of 30. Why is comparing 8 and 12 alone unfair? [2 marks]

Twelve is a larger count, but it comes from three times as many students.

Compare parts of equally sized groups or proportions before deciding.

Answer: The groups have different sizes.

6. Write a true comparison about the two classes using a number from the table. [2 marks]

Practice data: books finished during one week by ten students in each class

Books finished	Class A frequency	Class B frequency
0	2	1
1	4	2
2	3	4
3	1	3

State the group names and the feature.

Use matching frequencies or combined categories. Other supported comparisons are valid.

Answer: For example, 7 of 10 Class B students finished at least two books, compared with 4 of 10 in Class A.