Comparing representations and conclusions

6 practice questions

1. Which lunch was chosen most often?

Lunch choices: one choice per child.

Food	Children
Sandwich	5
Wrap	3
Rice	2

Five is larger than three and two.

Answer: Sandwich.

2. How many children answered the lunch question?

Lunch choices: one choice per child.

Food	Children
Sandwich	5
Wrap	3
Rice	2

$5 + 3 + 2 = 10$.

Answer: 10 children.

3. How many fewer children chose rice than wrap?

Lunch choices: one choice per child.

Food	Children
Sandwich	5
Wrap	3
Rice	2

$3 - 2 = 1$.

Answer: 1 fewer child.

4. A picture display has Animals 4, Space 2 and Stories 5. Does it match the book table? Explain.

Books chosen by a group.

Type	Number
Animals	4
Space	2
Stories	5

All three counts agree: $4, 2$ and 5.

Answer: Yes.

5. Can the vehicle table tell us which car colour was most common? Explain.

Vehicles observed in five minutes.

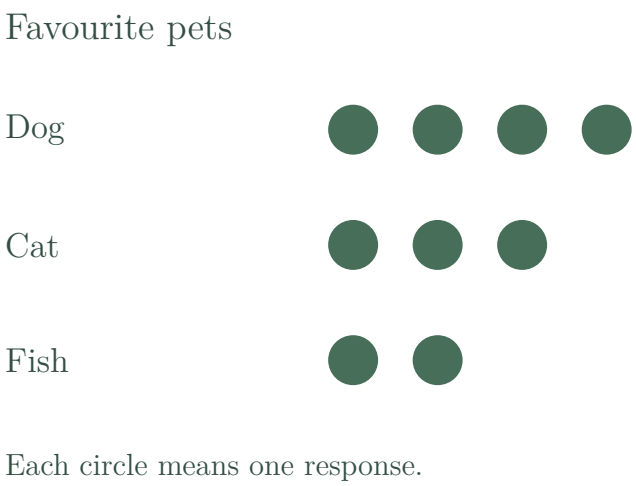
Vehicle	Number
Car	6
Bus	2
Bicycle	3

It records vehicle types, not car colours.

We would need to record car colours to answer that question.

Answer: No.

6. Write one conclusion supported by the pet display, and one question it cannot answer.



Use the counts $4, 3$ and 2 to support the conclusion.

A question about reasons needs more information.

Answer: For example: dog is the most common choice in this group; the display cannot tell us why children chose dog.