Year 5 | Statistics

Data types, distributions and investigations

Learn and practise | Free preview

A sample from this topic. The complete topic collection contains three different resources and worked solutions.

Show your thinking using words, working or a labelled drawing. Use the explanations and example first.

What you will practise

• Data types, distributions and investigations

• Explain and check an answer with an appropriate representation.

Useful starting skills: Use objects, drawings or a number line to explain a simple idea.

Begin a statistical investigation with a clear question and a defined group. Choose a consistent collection method, and check that responses are recorded accurately.

Use a display that suits the type of data. Label categories, units and scales, then describe what the data shows. A conclusion should refer to the group actually investigated and acknowledge information not collected.

Worked example

A class records 5 votes for A and 8 for B. Compare the results.

The total is 5+8=13.

B has 8-5=3 more votes. This describes this class only.

Answer: B has 3 more votes; 13 votes in total.

Try it yourself

Name: _____ Date: _____

1. How many responses are recorded altogether?

Travel choice	Frequency
Walk	9
Ride	15
Bus	6

2. Find the mode of the travel choices.

Travel choice	Frequency
Walk	9
Ride	15
Bus	6

Answers and explanations

Check the method as well as the final answer. An alternative correct method is also valid.

1. 30

Add all category frequencies; each response belongs in exactly one category.

2. Ride

Mode is the category with the greatest frequency.

Curriculum reference: VC2M5ST01; VC2M5ST03

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