Collecting and displaying class data

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

• Collecting and displaying class data

• 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. In a pictograph, one symbol means 3 responses. How many symbols represent Walk, Ride and Bus?

Travel choice	Frequency
Walk	12
Ride	18
Bus	6

2. Which category has the highest frequency?

Travel choice	Frequency
Walk	12
Ride	18
Bus	6

Answers and explanations

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

1. 4, 6, 2

Divide each frequency by the key value 3.

2. Ride

Compare the category counts, not the length of the category names.

Curriculum reference: VC2M4ST01; VC2M4ST02; VC2M4ST03

Independent original resource. Not published or endorsed by VCAA. This focused set supports the listed skills; it is not a complete course or an official assessment.

This free preview may be shared intact with attribution. Not for sale.