

小五數學溫習摘要

Primary 5 Mathematics Revision Summary

5D1 棒形圖（三）

5D1 Bar Charts III

閱讀和製作複合棒形圖，比較兩組或以上的資料，並根據圖中的數字回答問題。

Read and make compound bar charts, compare two or more sets of data, and answer questions using the numbers in the chart.

學習重點

What to learn

- 複合棒形圖用不同顏色或圖案的棒表示不同組別的數據，可橫向或縱向繪畫。
A compound bar chart uses different colours or patterns for different data sets. Bars may be horizontal or vertical.
- 閱讀圖題、兩軸、刻度、單位和圖例，找出每條棒所表示的數量。
Read the title, axes, scale, units and key to find the number shown by each bar.
- 比較同一項目中各組的數量，再按問題求總和或差；資料按時間排列時，可觀察數量如何改變。
Compare groups within the same category and find the required total or difference. Time-ordered data can also show changes.
- 先看最大數值，再選擇合適刻度。例如最高值為 80000，可考慮每格表示 10000；所有棒須同闊。
Choose a scale that fits the largest value. For a maximum of 80000, consider 10000 per interval. Keep bar widths equal.

考試前必記

Remember before a test

- 讀圖前先看圖例，確認每種顏色或紋理代表哪一組資料。
Read the key first to find out which group each colour or pattern represents.
- 先確定每一小格代表的數量，再按棒的末端讀數；不要假設每格代表 1。
Find the value of each small interval, then read the end of each bar. Do not assume one unit per interval.
- 刻度須等距。縱向圖的縱軸表示數量、橫軸表示項目；橫向圖則相反。
Use evenly spaced scale marks. A vertical chart has categories on the horizontal axis; a horizontal chart reverses this.
- 求相差用減法，求總和用加法；答句要寫明比較的組別及所需單位。
Subtract to find a difference and add to find a total. State clearly which groups are being compared.

常見錯誤

Common mistakes

- 沒有看圖例，對調兩組資料。
Ignoring the key and switching the two sets of data.
- 忽略每格代表的數量或軸上的單位，只憑棒的長短猜答案。
Guessing from bar lengths without reading the scale and units.
- 各棒闊度不一、組內各棒或各組之間的間距不一致，或刻度間距不相等。
Using unequal bar widths, inconsistent gaps of the same type, or uneven scale intervals.
- 問題問相差多少卻回答總和，或只寫數字沒有單位。
Giving a total when the question asks for a difference, or leaving out the unit.

快速自查

Quick check

☐ 能按圖例分辨各組資料 I can use the key to identify each group.	☐ 能正確讀出每格的值 I can read the value of each interval correctly.
☐ 能求出相差和總和 I can find differences and totals.	☐ 能畫出刻度一致的複合棒形圖 I can draw a compound bar chart with an even scale.