

Wise words (Year 7): prompts

Grouping

Pupils work in groups of four, divided into two pairs.

Resources:

Copies of the printed resource sheets are available on the Securing progression in handling data CD-ROM.

For each pair, you will need:

- 'Eight charts' cut up (perhaps laminated);
- 'Drafting statements and questions', inserted into a clear plastic wallet;
- water-based pen.

For each pupil, you will need:

- 'Revising statements and questions' sheet.

Stage 1: Drafting

Key words: mode, range, total, proportion, percentage, decimal, fraction

Ask each pair of pupils to compose **two** statements to describe a chart, which their partner pair must try to identify. Each statement must use only one key word and must not say whether it is a bar chart or a pie chart.

Say that the two statements about the chart should be written using a water-based pen on the plastic wallet over the table 'Drafting statements and questions'. Emphasise that, as stated on the table:

- one statement should be about **either** proportions (fractions/decimals/percentage) **or** totals;
- one statement should be about **either** the range **or** the mode.

Stage 2: Questioning and choosing

Ask each pair to pass their 'Drafting' table to their partner pair who must try to work out which chart is being described. The choosing pair can write one yes/no question and, after getting a response to this, they circle yes or no and make a choice of chart.

Stage 3: Reviewing

Now ask the two pairs to work together to review the process.

- Were their choices correct?
- Which charts were hard to choose between? Why?
- Were their statements accurate?
- Could the questions have been improved? How?

Stage 4: Revising

- After the discussion, ask each individual pupil to write an accurate version of the statements and, if appropriate, an improved question on their own table, 'Revising statements and questions'.
- Invite pupils to add a comment about important points to note (see the example on 'Revising statements and questions').

Wise words: focus for audio discussion

On the audio 'Year 7 pupils' you will hear:

Drafting:

Glen and Louise discuss and compose statements for chart 2.

Questioning and choosing:

Jo and William, their partner pair, question them and decide which chart is being described.

Reviewing:

All four reflect on the process.

Consider these points as you listen to the discussion:

- What are the key decisions pupils make as they compose the statements? What thinking is going on behind this dialogue?
- How does the questioning and choosing stage engage pupils in interpreting the charts?
- How would you support these pupils to improve the language they use in describing the charts?