Shape patterns Strategy: Look for a pattern

Serena makes a pattern using interlocking cubes.

1 Draw the next one in the sequence.

2 How many cubes will be needed for the sixth in the sequence?

3 Ryan joins interlocking cubes to fit into the sequence, but Serena says they do not fit the pattern.

Is Serena correct? Explain your answer.

4 Ryan decides to make his own pattern using the interlocking cubes.

Draw the next set of cubes to fit into Ryan’s sequence.

5 Ryan says he needs 19 cubes to make the seventh set of cubes in the sequence. Is he correct?

Explain your answer.

Problem-solving Toolkit: Years 3–4/P4–P5 © Harcourt Education 2004