Jenny Ten

Ideas for questions and discussion points

The Map of Numberline Lane

- Is Jenny Ten odd or Even?
- Who else is on the same side of the Lane as Jenny Ten?
- Which numbers are on the opposite side of the lane?
- Can you count backwards in even numbers from 20?
- Can you count backwards in odd numbers from 19?
- If you added all the even numbers in the lane, what would the total be?
- If you added all the odd numbers in the lane, what would the total be?

Development of the mathematics in the story

- Jenny Ten is a two-digit number. What other two-digit numbers have a zero in the units?
- What other two-digit numbers have a one in the tens position?
- Can you describe, using mathematical vocabulary, the patterns in Jenny Ten's studio at the beginning of the story?
- Jenny Ten designs a pattern for Walter One using circles and squares. Are there other patterns you could design with these two shapes?
- Suzie Two has a design with overlapping triangles. Can you see what patterns can be made with overlapping circles, or squares or rectangles?
- Can you make a design for Jenny Ten using lots of different sized circles?
- Kevin Seven has a design made with three different colours. Can you make a repeating pattern with 3 different colours?
- Nick Six has a design made with shapes that change size. Which shapes can you see? Do any of them have right angles?
- Gus Plus has a tessellating pattern designed for him. Which other shapes can tessellate? Which shapes do not tessellate?
- Jenny Ten does not show us the patterns for Hebe Three, Nora Four, Clive Five or Nigel Nine. Can you design a pattern for each of these characters and describe the pattern you have made?
- Can you design a symmetrical pattern? What does symmetrical mean?
- Can you design a rotating pattern?
- Jenny Ten would like a pattern designed using hexagons! How many sides does a hexagon have? Can you make them tessellate?