



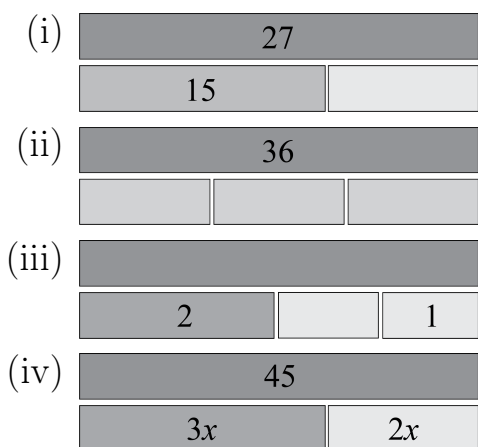
Problem of the Week

Problem B

Composed or Decomposed

A bar model contains two rows of rectangles. The top row is a rectangle with a value equal to the total, and the bottom row contains rectangles whose values sum to the total. All values are whole numbers.

- (a) Determine the numbers missing from each of the bar models below. In each part, rectangles that are the same shade of grey have the same value.



- (b) (i) In the bar model shown, the rectangles in the bottom row all have the same value. What are some equations this bar model could represent?



- (ii) Describe all possible whole numbers that could appear in the top row of this bar model.

