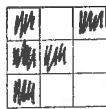# 2.3 Exploring Ratios
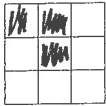
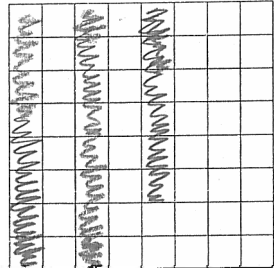▶ GOAL: Investigate the ratios of areas created by pattern block designs.

1. Write a ratio for each set of squares that compares the number of grey squares to the number of white squares.

   a) Ratio: _____

   b) Ratio: _____

   c) Ratio: _____

   d) Ratio: _____

   e) Ratio: _____

2. Teo has four pairs of white socks, two pairs of yellow socks, one pair of green socks, and three pairs of black socks.

   a) What is the ratio of white socks to black socks? _____

   b) What is the ratio of green socks to black socks? _____

   c) What is the ratio of yellow socks to white socks? _____

   d) What is the ratio of black socks to yellow socks to green socks? _____

3. Use two different colours of pencil to draw a pattern in the grid below that matches the ratio 12:4.