Show the detectives the Photos of Mosaics. Discuss how mosaics are designed by using repeating patterns.

Have the detectives turn to pages 18 and 19 of the Math Clue Books to see examples of mosaic patterns created with pattern blocks.

Divide the class into pairs. Pass out a variety of paper pattern blocks to each. Work with them to recreate one of these pattern block designs on page 19 of their clue books. (The easier ones to recreate are on page 18.)

Next, have each detective create their own paper pattern block design. Once they have created a design, pass out a glue stick to each pair. Then have them glue their designs onto page 20 of the Math Clue Book.