

ACTIVITY IA6.2: Jumping Back to the Decuple with Mini Ten-frames

Intended learning: To name the decuple before a given 2-digit number and to find the difference between the decuple and the two-digit number.

Instructional mode: Longer, inquiry mode for individuals or small groups.

⑥ **Materials:** Mini ten-frames, a large screen.

Description: Briefly display a collection of six mini ten-frames and a four pattern (see Figure 6.5). Screen the collection with a large screen so that students can no longer see the mini ten-frames. *I have sixty-four dots all together on the mini ten-frames. I want to take away some dots so that I go back to the next decuple. Which decuple would that be? [60] How many dots will I remove? How do you know?* Remove large screen to enable students to check. Repeat with 92, 58, 47, etc.

Responses, variations and extensions:

- Initially students might count back by ones to find the subtrahend. If students continue with this strategy, present teen numbers with a full ten-frame and a partial ten-frame to create a teen number. For example, 19, 15, 17, 12.
- If necessary, provide additional support by allowing the student to see the cards.
- Dot strips rather than ten-frames can be used.

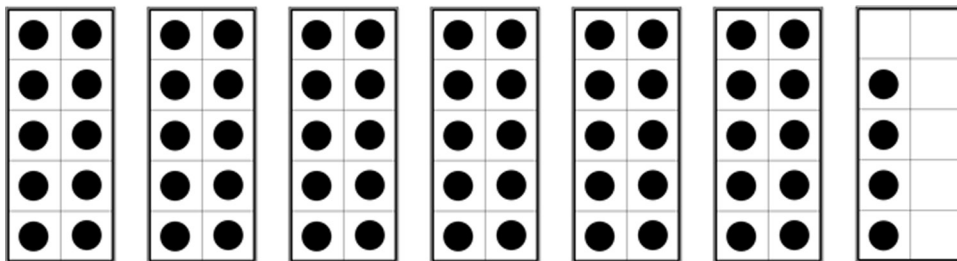


Figure 6.5 Jumping back to a decuple with ten-frames 10-dot cards for $64 - ? = 60$