

**Using the Whiteboard**

- Discuss the problem with students.
- Ask a volunteer to use the **Shapes Tool** to outline a rectangle to model  $68 \div 4$  on the grid.
- Ask another volunteer to use the **Highlighter Tool** to shade columns of 4 until 68 squares have been shaded.
- Tap the first **Action Arrow**.
- Ask a student to answer the question; tap **Answer** to check the student's answer.
- Tap the second **Action Arrow**.
- Ask a volunteer to use the **Highlighter Tool** to show how the larger rectangle can be broken into two smaller rectangles, each distinguished by a different color.
- Tap the third **Action Arrow**.
- Ask students to complete the mathematical sentences.
- Tap **Answer** to check student answers.

**Teaching the Math**

**Ask:** Why do you break up the dividend, 68, as  $40 + 28$ ? **Possible answer:** because each addend is easily divisible by 4.

**Ask:** Why can this area model illustrate both multiplication and division? **Possible answer:** because multiplication and division are inverse operations.

**Answer Key**