

Five-Step Rule and Exceptions Lesson 1

Place Value

Activity Answer Key

Read the following place value problems using the braille document "L1-Five-Step-Activity.brf." After you read the problem, name the place value of the underlined digit. [There is a braille answer document "L1-Five-Step-Activity-Answers.brf" that can be used to independently check answers.]

1. $\underline{357}$

Answer 1: Three hundred fifty-seven with a bar under the 5. The 5 is in the tens place.

2. 67,389

The figure consists of 12 diagrams arranged in two rows of six. Each diagram shows a 3x10 grid of dots. Black dots represent the state of the system at a given time step. The pattern of black dots evolves from left to right across the sequence. In the first diagram, there are 5 black dots. As the sequence progresses, the number of black dots increases, and their arrangement becomes more complex, eventually forming a large, irregular shape that fills a significant portion of the grid by the final diagram.

Answer 2: Sixty-seven thousand three hundred eighty-nine with a bar under the 7. The 7 is in the thousands place.

3. 42.397

The figure shows a sequence of 10 diagrams, each representing a 3x3 grid of dots. The dots are black, and the background is white. The sequence shows the growth of a pattern of dots from left to right. The first diagram has a single dot in the center. The second diagram has dots in the center and the four adjacent positions (up, down, left, right). The third diagram has dots in the center and the four positions immediately adjacent to the center (up, down, left, right). The fourth diagram has dots in the center and the four positions immediately adjacent to the center (up, down, left, right). The fifth diagram has dots in the center and the four positions immediately adjacent to the center (up, down, left, right). The sixth diagram has dots in the center and the four positions immediately adjacent to the center (up, down, left, right). The seventh diagram has dots in the center and the four positions immediately adjacent to the center (up, down, left, right). The eighth diagram has dots in the center and the four positions immediately adjacent to the center (up, down, left, right). The ninth diagram has dots in the center and the four positions immediately adjacent to the center (up, down, left, right). The tenth diagram has dots in the center and the four positions immediately adjacent to the center (up, down, left, right).

Answer 3: Forty-two point three nine seven with a bar under the 9. The 9 is in the hundredths place.

4. 0.2956

Answer 4: Zero point two nine five six with a bar under the 2. The 2 is in the tenths place.