

## Answer Sheet—Multiple-Choice Questions and Student-Produced Responses

You must use a No. 2 pencil. It's important that marks are dark and complete. Do not use a mechanical pencil. If you need to change a response, erase as completely as possible. Incomplete marks or erasures may affect your score.

Complete Mark:

Incomplete Marks:

Section  
7

- |   |         |    |         |    |         |    |         |    |         |    |         |
|---|---------|----|---------|----|---------|----|---------|----|---------|----|---------|
| 1 | A B C D | 9  | A B C D | 17 | A B C D | 25 | A B C D | 33 | A B C D | 41 | A B C D |
| 2 | A B C D | 10 | A B C D | 18 | A B C D | 26 | A B C D | 34 | A B C D | 42 | A B C D |
| 3 | A B C D | 11 | A B C D | 19 | A B C D | 27 | A B C D | 35 | A B C D | 43 | A B C D |
| 4 | A B C D | 12 | A B C D | 20 | A B C D | 28 | A B C D | 36 | A B C D | 44 | A B C D |
| 5 | A B C D | 13 | A B C D | 21 | A B C D | 29 | A B C D | 37 | A B C D | 45 | A B C D |
| 6 | A B C D | 14 | A B C D | 22 | A B C D | 30 | A B C D | 38 | A B C D | 46 | A B C D |
| 7 | A B C D | 15 | A B C D | 23 | A B C D | 31 | A B C D | 39 | A B C D | 47 | A B C D |
| 8 | A B C D | 16 | A B C D | 24 | A B C D | 32 | A B C D | 40 | A B C D |    |         |

Section  
2

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|---|---------|----|---------|----|---------|----|---------|----|---------|----|---------|
| 1 | A B C D | 9  | A B C D | 17 | A B C D | 25 | A B C D | 33 | A B C D | 41 | A B C D |
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| 7 | A B C D | 15 | A B C D | 23 | A B C D | 31 | A B C D | 39 | A B C D |    |         |
| 8 | A B C D | 16 | A B C D | 24 | A B C D | 32 | A B C D | 40 | A B C D |    |         |

Section  
3

- 1 (A) (B) (C) (D) 8 (A) (B) (C) (D)  
2 (A) (B) (C) (D) 9 (A) (B) (C) (D)  
3 (A) (B) (C) (D) 10 (A) (B) (C) (D)  
4 (A) (B) (C) (D) 11 (A) (B) (C) (D)  
5 (A) (B) (C) (D) 12 (A) (B) (C) (D)  
6 (A) (B) (C) (D) 13 (A) (B) (C) (D)  
7 (A) (B) (C) (D)

 $\frac{6}{7}$ 

**Student-Produced Responses** Enter answers as directed in your test book. Answers must be bubbled to be scored. You will not receive credit for anything written in the boxes.

- Figure 1 displays four 4x4 grids, labeled 14, 15, 16, and 17, illustrating the evolution of a 16-cell system. Each grid has a top row of four empty cells and three rows below it, each containing four cells. In grid 14, the cells in rows 2, 3, and 4 are all filled with the number 1. In grid 15, the cells in rows 2, 3, and 4 are all filled with the number 1, and a horizontal line is drawn above row 2. In grid 16, the cells in rows 2, 3, and 4 are all filled with the number 1, and a horizontal line is drawn above row 2. In grid 17, the cells in rows 2, 3, and 4 are all filled with the number 1, and a horizontal line is drawn above row 2.

Section  
4

- |   |   |   |   |   |    |   |   |   |   |
|---|---|---|---|---|----|---|---|---|---|
| 1 | A | B | C | D | 15 | A | B | C | D |
| 2 | A | B | C | D | 16 | A | B | C | D |
| 3 | A | B | C | D | 17 | A | B | C | D |
| 4 | A | B | C | D | 18 | A | B | C | D |
| 5 | A | B | C | D | 19 | A | B | C | D |
| 6 | A | B | C | D | 20 | A | B | C | D |
| 7 | A | B | C | D | 21 | A | B | C | D |
| 8 | A | B | C | D | 22 | A | B | C | D |
| 9 | A | B | C | D | 23 | A | B | C | D |
| 0 | A | B | C | D | 24 | A | B | C | D |
| 1 | A | B | C | D | 25 | A | B | C | D |
| 2 | A | B | C | D | 26 | A | B | C | D |
| 3 | A | B | C | D | 27 | A | B | C | D |
| 4 | A | B | C | D |    |   |   |   |   |

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15/23