

### Day 4: Modular Arithmetic

1. Whiteboard page 1.
  - Show  $1 + 3$ ,  $5 + 4$ ,  $2 - 6$ ,  $3 \cdot 5 = 15 = 0 + 15 = 1$ .
2. **Work on Day 4 Class Work. Leave 15 minutes for discussions.**
3. Whiteboard pages 2 through 4.
4. Whiteboard page 5.
  - The proof of the conjecture is in the reading.