

Day 8: Introduction to Groups

1. Whiteboard page 1.
 - In the example, recall that τ is the inside function.
2. Whiteboard page 2.
3. **Work on Day 8 Class Work. Leave 10 – 12 minutes for discussions.**
4. Whiteboard page 3.
 - Show how $-3 = 7$ in \mathbb{Z}_{10} is consistent with going around the \mathbb{Z}_{10} clock.
5. Whiteboard pages 4 and 5.

Proof of the Day: Shown in video only.

Theorem (left cancellation). *Let a, b, c be elements of a group. If $ab = ac$, then $b = c$.*