

The Missing Integer

Goals:

- To build fluency with operations on integer
- To build understanding of the relationship between operations

Materials:

- One deck of cards with the Jacks, Queens, and Kings removed. Aces represent the number 1.
- Red cards represent negative integers, black cards represent positive integers.

Players:

- Three

Directions:

- Two students draw a card **without looking at it** and place it on their forehead facing out (so the other players can see it).
- The student with no card tells the sum, difference, or product of the two cards.
- Each student writes down what card they think they have. If they are correct, they get a point.
- After each game, students can graph the points they earned.
- The game is played for 5-10 minutes each time.
- Over time, progress can be assessed by looking at student graphs and talking with students about strategies used during play.