

Part-Part-Whole Board: Numerals and Collections

Number of Students: Small group (variation: pairs)

Materials:

- Part-part-whole board
- Numeral cards (1 set to 20 per group)
- Counters (around 12 per person)
- 1 pencil (or whiteboard marker if the boards are laminated)
- (optional) sand timer for pairs variation

Preparation:

Sufficient numeral cards and part-part-whole boards need to be photocopied / printed.

Part-part-whole board can be laminated for longevity, although this is not strictly necessary. Numeral cards should be laminated for easy handling however.

How :

Each student receives a part-part-whole board.

The teacher places a numeral card face up in the left section of each board, and a small collection of counters in the right section.

Players must calculate the total, and write it in the centre space on the part-part-whole board. The teacher then asks each student to 'prove' their answer to the group by explaining the process they followed, or reworking the addition out loud.

Variation:

When students are confident, they can work in pairs, taking turns to pose each other addition problems in the same way (using the same materials), using sand timers to impose time limits.