

ACTIVITY IA4.3: Go Fish with Mini Ten-frames

Intended learning: To learn partitions of 10.

Instructional mode: Longer, reproductive practice for pairs or small groups.

- ⑥ **Materials:** Best with sets of mini ten-frame cards showing 0–10 dots. Each group needs at least six sets of the eleven cards.

Description: Play Go Fish, aiming to match pairs of cards which sum to ten. Deal seven mini ten-frame cards to each player. Place the rest of the cards face down in a draw pile. A player begins a turn by asking another player for a card to match one she already has. For example, if Sally has a six in her hand, she could ask another player 'Ben, do you have a four?' If Ben has the requested card, he must hand the card over. Sally then places the matched pair of cards face up in front of her, and says a number sentence for the cards, such as 'Six and four make ten' or 'Six plus four equals ten'. She then continues her turn with a new request. If Ben does not have the requested card, he responds 'Go fish'. Sally then draws one card from the draw pile. If she draws the requested card, she plays the match, and continues her turn with a new request. If she does not draw the requested card, her turn ends. Play proceeds clockwise. The round ends when one player plays the last card from his or her hand. The winner is the player who made the most combinations of ten.

Responses, variations and extensions:

- Initially students may need to count the dots, count the empty squares or count on to 10 in order to determine the needed number of dots.
- The game can be played with playing cards and later with numeral cards. Using these cards provides progressively less scaffolding.
- A variation is that students may use more than two cards to make a combination of ten.
- Extend by partitioning other totals. When making combinations less than ten, remove cards with more dots than the desired total. For example, when playing Go Fish for 7s, remove all ten-frames with 8, 9 or 10 dots.
- Use sets of numeral cards 0–20 to work on combinations to 20.
- A solitaire game may be played by placing all cards face down in an array and playing concentration or memory to find the combinations of ten. The number of sets of ten-frame cards may be fewer for this variation.