

Objectives

The “Making 9” song assists students in mastering single-digit addition problems in which the sum equals nine.

Student will complete the activities in order to practice identifying pairs of single-digit addends that compose sums of nine in order to master the Making 9 fact family.

Building a Bridge 
Materials

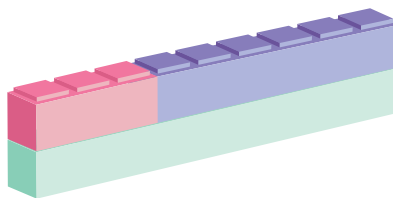
- *Addition Facts Sheet* (see page 3)
- Highlighter
- Integer Blocks
- Paper and pencil

Set Up: Have your student circle or highlight all the Making 9 facts on the *Addition Facts Sheet*.

Strategy: This activity is based on the “family method” found in *Alpha Lesson 16* that demonstrates how nine can be composed and decomposed in different ways.

Directions:

1. Explain to your student that the two of you are two neighbors separated by a creek. You want to build a bridge nine feet across; place a 9-block horizontally in the middle of the paper. You can have him draw the creek down the center of the paper.
2. Then explain that each layer of the bridge will take both of you to build. You place an Integer Block with a value smaller than 9 (e.g. the pink 3-block) on top of the 9-block.
3. Ask your student to find the correct block to fill the space and make 9. Then have him write the equation to show the addition fact. For example, $3 + 6 = 9$.



4. Take turns until you have practiced several or all of the Making 9 facts.
5. Finally, have your student write the sums for the Making 9 facts found on the *Addition Facts Sheet*.

Note: This activity can also be completed on the computer with the Math-U-See® Manipulatives if these are available to the student.

Fishin' for Nines **Materials**

- *Addition Facts Sheet* (see page 3)
- Deck of playing cards

Set Up: Select the Aces and 2s through 8s from the deck. Aces will be ones. Have your student circle or highlight all of the Making 9 facts on the *Addition Facts Sheet*.

Directions:

1. First, shuffle the cards, and each of you takes 5 cards.
2. Then have your student draw a card (e.g. 2) from the draw pile to her hand. If there is a card in her hand with a value that can be added to make 9, she places the two cards down (e.g. 2 and 7).
3. If she does not have the needed card, she asks you whether you have the desired value. For example, "Do you have a 7?". If you do, you give her the card, and she lays down the pair that makes 9.

If you do not have what you've been asked for, you say, "Go fishin'!", and she takes another card from the draw pile.

4. Continue taking turns until someone is out of cards. The person who runs out of cards gets 2 points, and each pair of cards making 9 laid down is worth 1 point. The person with the most points wins!
5. You may wish to conclude by having your student write the sums for the Making 9 facts found on the *Addition Facts Sheet*.

Addition Facts Sheet

$0 + 0$ $0 + 1$ $0 + 2$ $0 + 3$ $0 + 4$ $0 + 5$ $0 + 6$ $0 + 7$ $0 + 8$ $0 + 9$

$1 + 0$ $1 + 1$ $1 + 2$ $1 + 3$ $1 + 4$ $1 + 5$ $1 + 6$ $1 + 7$ $1 + 8$ $1 + 9$

$2 + 0$ $2 + 1$ $2 + 2$ $2 + 3$ $2 + 4$ $2 + 5$ $2 + 6$ $2 + 7$ $2 + 8$ $2 + 9$

$3 + 0$ $3 + 1$ $3 + 2$ $3 + 3$ $3 + 4$ $3 + 5$ $3 + 6$ $3 + 7$ $3 + 8$ $3 + 9$

$4 + 0$ $4 + 1$ $4 + 2$ $4 + 3$ $4 + 4$ $4 + 5$ $4 + 6$ $4 + 7$ $4 + 8$ $4 + 9$

$5 + 0$ $5 + 1$ $5 + 2$ $5 + 3$ $5 + 4$ $5 + 5$ $5 + 6$ $5 + 7$ $5 + 8$ $5 + 9$

$6 + 0$ $6 + 1$ $6 + 2$ $6 + 3$ $6 + 4$ $6 + 5$ $6 + 6$ $6 + 7$ $6 + 8$ $6 + 9$

$7 + 0$ $7 + 1$ $7 + 2$ $7 + 3$ $7 + 4$ $7 + 5$ $7 + 6$ $7 + 7$ $7 + 8$ $7 + 9$

$8 + 0$ $8 + 1$ $8 + 2$ $8 + 3$ $8 + 4$ $8 + 5$ $8 + 6$ $8 + 7$ $8 + 8$ $8 + 9$

$9 + 0$ $9 + 1$ $9 + 2$ $9 + 3$ $9 + 4$ $9 + 5$ $9 + 6$ $9 + 7$ $9 + 8$ $9 + 9$