

**Objectives**

The “Adding Doubles +1” song reinforces the Math-U-See® strategy that some single-digit addition facts, like  $3 + 4$ , can be solved by noticing that one of the two addends is one greater than the other addend.

Student will complete the activities in order to use the Doubles + 1 strategy to help master the Doubles +1 facts (e.g.  $1 + 2$ ,  $2 + 3$ ,  $7 + 8$ ).

**The Doubles +1 Chicken Coop** 
**Materials**

- *Addition Facts Sheet* (see page 4)
- Dry erase board, marker, and eraser or paper and pencil
- Integer Blocks

**Set Up:** Have your student circle or highlight all the Doubles +1 facts on the *Addition Facts Sheet*.

**Strategy:** This activity is based on a strategy found in Alpha Lesson 14. When an addend is one greater than the other addend, the sum will be double the lesser addend plus one more (🎵 *three plus three, one more* 🎵) or double the greater addend minus one (🎵 *four plus four less one* 🎵).


 $3 + 3 + 1 = 7$


 $3 + 4 = 7$


 $4 + 4 - 1 = 7$



**The Doubles +1 Chicken Coop (Cont.)** 
**Directions:**

1. Explain to your student that there is a chicken coop with three chickens. One of you can draw the chickens at the top of the dry erase board. Explain further that the first chicken and second chicken always lay the same number of eggs. The third chicken always lays only one egg.
2. Then have your student select an Integer Block from 1 through 9 and place it horizontally on the dry erase board underneath the first chicken.
3. Remind the student that the second chicken lays the same amount as the first. Have your student place the correct Integer Block underneath the second chicken.
4. Remind your student that the third chicken lays only one egg, and ask the student to place the correct Integer Block.
5. “Smoosh” the three Integer Blocks together and determine which Integer Block represents the sum. For example, two pink 3-blocks and one green unit block is the same as one tan 7-block. Have your student write the full equation ( $3 + 3 + 1 = 7$ ).


 $3 + 3 + 1 = 7$

6. Have the student look at the last two of the three addends. In the current example, you would ask, “What block is the same as  $3 + 1$ ?”
7. Have your student use these new addends to check whether the sums are the same. Then, have he or she write the new equation under the first one. So the student would select a pink 3-block and a yellow 4-block, check it against the tan 7-block, and write  $3 + 4 = 7$ .


 $3 + 4 = 7$

8. Repeat this activity with several or all of the Doubles +1 facts.
9. Finally, have the student write the sums for the Doubles +1 facts on the *Addition Facts Sheet*.

**Rectangle Doubles +1** 
**Materials**

- *Addition Facts Sheet* (see page 4)
- Beanbags or ball
- Sidewalk chalk

**Set Up:** Ask your student to highlight all of the Doubles +1 facts on the *Addition Facts Sheet*. Outside, draw a large rectangle on pavement with chalk. Divide the rectangle into sections, and write a different Doubles +1 fact in each section. Here is a sample layout with a “free” space: Doubles +1 fact in each section. Finally,

|       |       |       |
|-------|-------|-------|
| 0 + 1 | 4 + 5 | 2 + 3 |
| 7 + 8 | Free  | 6 + 7 |
| 3 + 4 | 8 + 9 | 1 + 2 |

**Directions:**

1. Have your student stand by the rectangle and toss a beanbag into it. If the beanbag lands on a fact, the student says it with the answer. If the beanbag lands on the “free” square, he or she can pick any fact.
2. Take turns tossing the beanbag and saying facts.
3. You may wish to conclude by having the student write the sums for the Doubles +1 facts found on the *Addition Facts Sheet*.

## Addition Facts Sheet

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

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

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

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

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

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

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

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

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

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