

Session #663

## **Digging Deeper into Early Numeracy: Getting Number Facts to Stick**

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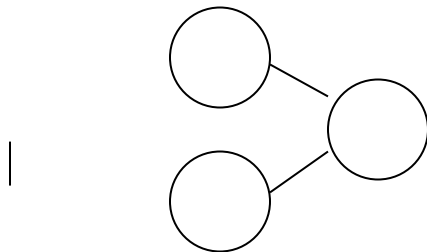
Staff Development for Educators

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### Number Bonds

- Developing part-whole thinking
- Using a  $C \rightarrow P \rightarrow A$  approach
- Compose and decompose numbers
- See inverse relationships
- Develop algebraic thinking

Ways to practice number bonds:




How Many Ways Can You (Correctly) find the Difference 62  
and 18?

For each of these, solve concretely, pictorially, then abstractly. What do you notice?

1. Jay had 9 cupcakes. He gave 5 to friends. How many does he have left?

2. Jay had \$5 to buy cupcakes. How much more does he need if the cupcakes cost \$9?

3. Jay has 9 cupcakes. Sarah has 5 cupcakes. How many more cupcakes does Jay have than Sarah?

## References:

Number Bond Cards, Part Whole Cards, and Ten Frame Cards

Crystal Springs Books [crystalspringsbooks.com](http://crystalspringsbooks.com)

Kuhns, Catherine, Building Number Sense Crystal Springs Books

Forsten, Char and Richards, Torri, Math Talk. Crystal Springs Books