

Cover Up

In this game, parent and child work in pairs with a given number of beans or counters. One player determines the number of beans/counters the other has covered up by looking at the remaining beans.

Key Content:

- Solving problems in more than one way.
- Using addition and subtraction strategies.
- Writing number sentences for addition and subtraction situations.

Directions:

Start by using fifteen beans or counters to play. Record the number of beans on the top of the *Cover Up* Game page (at the end of this document or in the child's student guide). In this game there are two roles, one is the *Hider* and the other is the *Detective*. Initially, the parent should play the *Hider* role.

When using fifteen beans, the *Hider* can choose up to and including 15. The *Hider* covers a number of beans while the *Detective* tries to determine the number of beans covered. The child records the number of beans/counters showing, the number of beans hidden, and a number sentence for each problem.

As you play *Cover Up*, observe your child as he or she uses various solution strategies. Try to get your child to figure out other possible number sentences that describe the same problem. Encourage your child to repeat the game by choosing a different starting number.

Number of Beans Showing	Number of Beans Covered	Number Sentence(s)
3	12	$3+12=15$, $12+3=15$, $15-3=12$, $15-12=3$ $15-\odot=12$ and $15-\odot=3$
9	6	$9+6=15$, $6+9=15$, $15-9=6$, $15-6=9$ $15-\odot=9$ and $15-\odot=6$

NOTE: $15-\odot=12$, $15-\odot=3$, $15-\odot=9$, and $15-\odot=6$ begin to teach algebraic awareness

Name: _____

Date: _____

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