

K.3(B)

Solve word problems using objects and drawings to find sums up to 10 and differences within 10.

Learning Goals	
I can solve word problems using objects and drawings to find sums and differences within 10.	
I can explain/justify my problem solving process.	I can explain/justify my problem solving process.
I can read and write the number sentence to represent the problem.	I can read and write the number sentence to represent the problem.
I can model the action of joining with objects, pictures and numbers.	I can model the action of separating with objects, pictures and numbers.
I can compose and decompose numbers within 10. I can count forwards and backwards to 10.	

Illustration for $2+1=3$

Could have kids go to front of class; have 2 kids go to left of room with 1 more and 3 go to the right of the room and ask kids if both sides of the room are the same. Good visual for students to see that the equal sign doesn't just mean the answer...it means both sides of the number sentence are the same.

$2+1=3$ $3=2+1$

Road Map- 3 weeks for addition, 3 weeks for subtraction, 3 weeks for both

Progress Monitoring:

- Ladder Checklist- for each learning target with student numbers on it.
- Addition/Strategy sheet (smart pal)- this will show if they can read and write number sentences as well as explain their problem solving process.

Anticipated Small Groups:

I can explain/justify my problem solving process.	Multiple opportunities to talk Sentence stems: I know that this is the same as this because ... I know to join these numbers.. I know to separate these numbers I get because... Poster method- to practice talking and sharing thinking Nonexamples- I just know, brain told me, etc.
I can read and write the number sentence to represent the problem.	How to use symbols (+ - =) - can use pinch cards Symbol cards to manipulate in between numbers
I can model the action of joining/separating with objects, pictures	Story boards Variety of manipulatives (ex: Rekenreks)

and numbers.

Ten frame with 2 color counters
Enlarged ten frame so that they can draw pictures in it
Dry erase boards for pictures
Digit cards to move them from pictorial to abstract

Subtraction:

Monster Musical Chairs: Math in Practice bk pg 188

Pinch cards: addition/subtraction sign Math in Practice bk pg 203 - also in ubd