Adding with Objects - Kindergarten

-Objectives: Students will combine sets using objects, finger, and number paths.

Students will solve addition word problems.

-Standards: K.CC.2, K.CC.4, K.CC.6

-I can statement: I can understand addition is combining two sets of objects.

-Checks for understanding:

Count to 100 by 1’s, count to 100 by 10’s

Able to understand combinations to 10

Able to understand the missing part to make 10

Able to combine sets using objects and pictures

Materials:

Baggie of 20 snap cubes per student

Match-up card game

Individual white boards/marker/eraser

Lesson begins with students in whole group and counting around the group up to 100 by 1’s and then count by 10’s to 100. Go around a few times so kids get different numbers each time.

Pass out baggie with snap cubes. Have each student make a “wand” of 10 cubes. State a number and have the students break that many cubes off. Ask how many cubes are in their other hand. With number cards show the equation created. Example: 2 and 8 make 10. Repeat multiple times until some connections are made with reverse numbers still making ten and no matter how we break the “wand” apart we still have ten.

Play Game: Make 10 Partner Match-Up. This is a memory game with cards that have both the number and a ten frame with the corresponding number of dots. Students take turns making matches of ten. This game can be made easier or harder by taking away or adding cards. Or changing the game by adding cards and having the students make 20 and or use cards without the number frames.

Whole group activity: Each student has their bag of snap cubes, white board, marker, and eraser. Explain that you are going to be working on something called addition. Spend time getting prior knowledge and teaching and reminding others what addition is: putting two sets of objects of together to make a new set/amount. Tell and demonstrate with a story problem and students gather the cubes in two parts then connect to make new amount. Students write the equation on their white board. Example: I bought 5 green apples and 2 red apples? How many did I buy in all? Students write ‘5 and 2 make 7’.

Independent Practice: Students pick the area they want to practice growing their brain:

Make/Create/Draw a 2-part Wand: students make a wand of any size with two color of snap cubes, draw it and then label the cubes of each color and draw/color their wand. Write equation.

Play Make 10 (or 20) Partner Match-up again either independently of with a classmate.

Create/Draw their own story problems (similar to wand activity).

Work Sheet: using 2 colors color snap cubes or counters to match equations.

Review: Review with students what went well, what would make games activities better. Ask about how they could verify or prove their work was accurate – explain their process. Ask different ways students solved their problems acknowledging how solving problems different ways works for different people.