Formative Assessment Task

Kindergarten: Operations and Algebraic Thinking

K.OA.3. Decompose numbers less than or equal to 10 into pairs in more than one way, e.g. by using objects or drawings, and record each decomposition by a drawing or equation (e.g. 5= 2 + 3 and 5 = 4+1).

Directions:

- 1. Distribute 10 connecting cubes to a pair of students.
- 2. Have the students sit back to back. One student (the builder) will create a tower of 10 cubes. Now the builder will break the stick into two pieces.
- 3. The builder will keep one of the broken pieces of the stick (hidden from view) and give the other broken stick to their partner.
- 4. The builder partner will ask, "How many cubes do I have?"
- 5. The other partner will need to figure out how many more connecting cubes is needed to make ten (how many cubes the builder still has).

Considerations:

Watch how students recognize the amount they need to count.

- When counting their cubes, do they understand that the amount that they counted is the quantity they have? If they do not, practice more counting using one to one correspondence with them instead of continuing with this task.
- When the partner is figuring out how many cubes the builder hid, are they able to recognize the amount that they have by just looking at the cubes, or do they use one to one correspondence to count how many?
- Do they count on their fingers to calculate the missing amount?
- Students could use one of the attached part part total mat to assist them with activity.

Collecting Data:

Student performance can be scored with a provided task rubric or a rubric created by the teacher.

Data can be recorded on a scoresheet.





Part						Part					
	Whole (total)										
		**	9°	**	*					*	-

