Routine: Quick Images (Dot Cards)

Big Ideas
- Subitizing – seeing groups of numbers without counting
- Multiple ways to add numbers (commutative and associative properties)
- Groups of (i.e. multiplication)
- Making friendly numbers to add
- Using doubles
- Making tens (using ten frame cards)
- Beginning of the year can be used to teach students how to turn and talk and how to use words to describe their thinking

Materials: Dot cards or ten frame cards (many versions are available on district website)
- Produce on cardstock with dots
- Also can be found on Teachers pay teachers
- Kindergarten versions can be found in the book, Number Talks by Sherry Parrish
- Reference video can be found on Teacherchannel.org (search Quick images)

Teacher questions
- How many dots did you see?
- How did you know how many?
- How did you know that was ____?
- How did you see it?
- What did you see?
- Did anyone see it a different way?

Teacher holds up card for 2 to 3 seconds. Teacher asks student to hold up thumb on their chest when they have an answer. Teacher then has students share answers. Teacher can record their thinking as they share.
Counting All/Counting On: Dot Images

As each number talk is shown, ask students, "How many dots do you see? How do you see them?"

The problems within each string should be presented in sequential order (A, B, C, and so on).
(Counting All/Counting On: Dot Images, continued)

A. 
B. 
C. 

String

A. 
B. 
C. 

String

A. 
B. 
C. 

String

A. 
B. 
C. 

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