

Lesson Title: Decagon Addition Flowers Grade: 2
Content Standard: NBT.5 Fluently add and subtract within 100 using strategies based on place value, properties of operation, and/or the relationship between addition and subtraction.
Materials: Paper decagons and triangles
Shared Experience and procedure details: 1. Students will be given a bag with 13 triangles (ones) and one decagon (tens). They will explore to figure out that 10 of the triangles will fit on the decagon and that they can have some left over. Teacher will guide students that are not discovering this. Collect those bags. 2. Students will be given a bag with triangles and decagons (one bag will have a total of 53 and the other will have 29). They will be given two minutes to build a flower using all of their shapes that will help them to find the value of their shapes. The teacher will instruct students to find the value of their flower based on what they learned with the first bag. They should trade the triangles for decagons if they can. Write their total on a post-it note. 3. Students will be paired with another student and asked to make a new flower using all the shapes from both bags, that will help them find the value of their shapes. The teacher will instruct students to find the value of their flower based on what they learned with the first bag. They should trade the triangles for decagons if they can. Write their total on a post-it note.
Possible Picture: Sitting with their friends, shapes, their flower that they made, label the values, the teacher
Possible People Talk: We did a math activity. It was fun. We made flowers out of shapes. The triangles were worth one. The big one was worth 10. We were allowed to trade our shapes. 10 triangles equal one big shape.
Feature Talk: trade exchange put together value add tens ones triangle big shape shapes flower partner first bag second bag combine plus total Feature Sentence: 1. When my partner and I put our shapes together, we traded our 10 triangles for a decagon to make 82. 2. My partner and I traded some ones for tens to get our total number of 82.
Possible Symbolic Representation: $53+29=82$ Draw the decagons and triangles to show the total Show expanded form Pictorial Representation
Written By: 2 nd Grade Planning Team