Subject: Math
Grade Level: Elementary School
DI Strategy: Think Dots, Tiering

Ballpark Estimates Think Dots

I used a 4 question exit slip on ballpark estimates to construct my partners for this Think Dots activity. Ballpark estimates was on their upcoming math test, so I used this activity to solidify their understanding. If the student got all 4 questions on the exit slip correct they worked on the blue Think Dots activity, if they got 2 or 3 questions correct they did the red Think Dots activity and if they got 0 or 1 question correct they did the green Think Dots activity.

My students were grouped homogeneously with a partner at their level. They did rock-paper-scissors to decide who would go first. The partner that won picked the first number. They each solved the problem on their own and then came together to discuss their answers. If they got different answers, they talked about how they got the answer and worked out the answer together. If they were still unable to reach consensus for the answer, they could then call me over for assistance. As students worked, I spent most of my time working with the students completing the green Think Dots activity. I made sure to circle through the other groups in case they had any questions and to monitor behavior and work completion.

Name: _____   Ball Park Estimate Think Dots

Make a ballpark estimate of $58 + 31 =$	Make a ballpark estimate to the nearest tens place. $104 + 86 =$	Make a ballpark estimate to the nearest tens place. $113 + 92 =$
Make a ballpark estimate to the nearest hundreds place. $125 + 133 =$	When do you find ballpark estimates to be helpful?	Why is it helpful to make a ballpark estimate?

Name: _____   Ball Park Estimate Think Dots

Make a ballpark estimate of $18 + 31=$	Make a ballpark estimate of $15+25=$	Make a ballpark estimate of $85 + 90=$
Make a ballpark estimate of $104 + 86=$	What place value do you look at first when rounding and why?	Why is it helpful to make a ballpark estimate?

Name: _____   Ball Park Estimate Think Dots

What would 31 round to?	What would 19 round to?	Make a ballpark estimate of 39 + 47=
●	●●	●●●
Make a ballpark estimate of 18 + 16=	What place value do you look at first when rounding and why?	Why is it helpful to make a ballpark estimate?
●●●●	●●●●●	●●●●●●