

Math

Hide Zero

Kindergarten

State Standard(s): K.CC.2, K.CC.5

Student Learning Objective(s): TSWBAT model with objects and represent numbers 10 to 20 with Hide Zero number cards.

- **Resources and Materials**
 - [Number cards](#) (one set for each student)
 - Personal white boards and markers
 - [Worksheet](#)
- **Lesson**

ARK:

The teacher will lead the class through counting the days in the month to date; say the date; count the number of days we have been in school to date; identify how many groups of 100, 10, and ones are in the number days; count to 100 by 10's and 5's.

TIP/SAP:

- I Do:

"There are 18 students in a classroom; 10 girls and 8 boys." Draw a girl on the board with 10 circles next to her and draw a boy on the board with 8 circles next to him. "10 + 8 equals 18." Write the number sentence under it. Show the Hide Zero 10 card. Hold up an 8 card over the 0 to show that 10 + 8 makes 18.

- We Do:

"Let's do one together. Take out your white boards and markers." "There are 13 students in a class; 10 boys and 3 girls." Draw 10 circles next to the boy and 3 circles next to the girl. "Draw a boy and a girl on your white board. Draw 10 circles next to the boy and then draw 3 circles next to the girl. Give me a thumbs up when you have done this" Walk around and check students' work. "Great! Now count your circles and write the total number on your board." "3-2-1 show me your boards." Hold up a Hide Zero 10 card and a 3 card. "What does this 10 card represent?" "What does this 3 card represent?" "Now what am I going to do with them?" "Yes! When I put them together, what does that make?" "Great job!"

"Let's do another one together. Erase your boards and follow along with me. There are 11 bugs in a jar; 10 ants and 1 worm." Draw 10 circles to represent the ants and draw 1 circle to represent the worm. "Now count the total number of circles on your board." "3-2-1 show me your boards." Hold up a Hide Zero 10 card and a 1 card. "What does this 10 card represent?" "What does this 1 card represent?" "Now what am I going to do with them?" "Yes! When I put them together, what does that make?" "Great job!"

- Two Do:

"Now you and your partner are going to do one together. I will hand you each a set of cards. You are going to work with your partner and do the same thing we just did together. Go to your partner." "Here is your problem. There are 17 flowers in a garden; 10 blue flowers and 7 red flowers. Use your white boards and number cards to make 17." Hand each student number cards and walk around to check on student understanding. When students are finished, draw a stick and ask that student to come up and show the class what they and their partner did. "Good job. Okay class, thank your partner and head back to your seats."

- You Do:

"Erase your whiteboards and I want you to try this last one on your own. There are 16 apples in a basket; 10 green apples and 6 red apples. Use your white boards and number cards to work through this problem." Walk around to check on student understanding. "3-2-1 show me your boards." Draw a stick and have another kid come up and show the class how they solved this problem. "Amazing job."

ISS:

"Put away your white boards and markers and take out a pencil." Pass out the [worksheet](#). "Use your number cards to help you work through this worksheet. Raise your hand when you are finished and I will come around and check your work."