

DUVAL Math Parent Tips

Numbers 10-20; Count to 100 by Ones and Tens

This module is a key next step for kindergarten students in understanding place value beyond the numbers 1-10. We will first talk about teen numbers as “10 ones and some ones,” and extend that understanding to writing teen numbers. Finally, students will count to 100 by ones and by tens using various strategies.

Kindergarten,
Module 5

What Came Before this Module: Students made the exciting step of working with number bonds and other strategies to learn beginning addition and subtraction skills.

What Comes After this Module: To wrap up the year, students will return to geometry. Students will compose and decompose 3-dimensional shapes and lay the foundation for understanding area.

Special points of interest:

- ✓ Words to Know
- ✓ Representations for Counting Teen Numbers
- ✓ Example Problems
- ✓ Mathematical Practices
- ✓ Coming Soon! Zearn! Want to help your child with DUVAL Math?

Words to Know

Counting to 100 in **two different ways:**

-Regular counting by tens:

“ten, twenty, thirty”, etc.

-The “Say Ten” way of counting to 100;

“1 ten, 2 tens, 3 tens”, etc.

Hide Zero Cards: cards used to teach and reinforce place value concepts

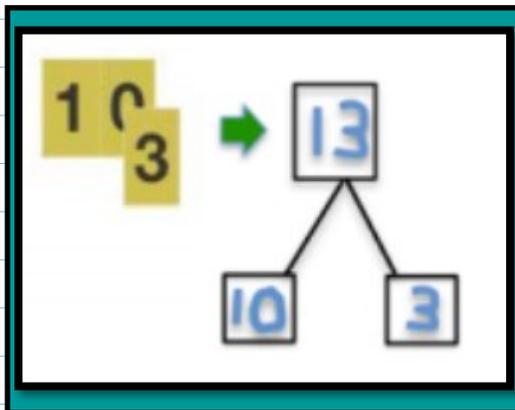
10 ones and some ones:

A way to talk about teen numbers that emphasizes groups of ten as the basic place value concept.

Other Terms:

Number bonds Ten Frame

Number towers Part/Whole/Total



Questions?

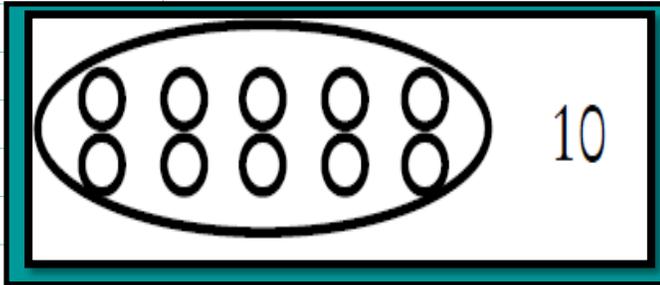
Mrs. Wendy Dobson

Supervisor, Mathematics K-5

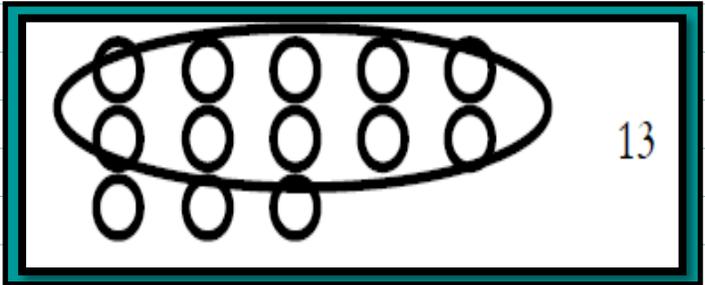
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Representations for Counting Teen Numbers

Students will count items and circle the items that make 10.



Students will circle groups of ten and describe the items the Say Ten way and in number form.



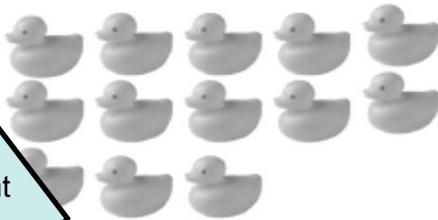
Students will learn how to create an addition sentence using a number bond.

Student draws circles to match the Hide-Zero Cards and writes the teen number it represents.

Say Ten Way		
ten one = 11	ten two = 12	ten three = 13
ten four = 14	ten five = 15	ten six = 16
ten seven = 17	ten eight = 18	ten nine = 19
2 ten = 20		

10-Frame Cards
Look at the 10-frame cards.
Write the number as a number bond.

Example Problems



Touch and count 10 things.

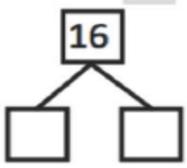
I have 10 ones and ___ ones.

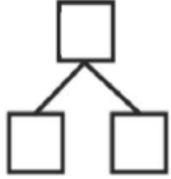


I have ___ ones and ___ ones.

1 0
6

16



Hide Zero Cards, Number Bonds

Making Teen Numbers

Circle 10 sandwiches. Circle 10 milk cartons. ✓ Check the group that has less things.



Write the missing numbers by counting down.

15, 14, _____, 12, _____, _____

14, 13, 12, 11, _____

Standards for Mathematical Practice

Mathematical Practices Addressed in this Module:

MP.2	Reason abstractly and quantitatively. Students represent teen numerals with concrete objects separated as 10 ones and some ones.
MP.3	Construct viable arguments and critique the reasoning of others. Students explain their thinking about teen numbers as 10 ones and some ones and how to represent those numbers as addition sentences.
MP.4	Model with mathematics. Students model teen quantities with number bonds, place value cards, and teen numbers.
MP.7	Look for and make use of structure. Students use the structure of 10 ones to reason about teen numbers. They compare teen numbers using the structure of the 10 ones to compare the some ones.

1. Go to www.zearn.org
2. Create a login.
3. Click on Courses.
4. There is a drop-down menu on the left. Click on the grade and the Mission. Mission is being used in place of Module. Example: Grade 3 Mission 4 is the same as Grade 3 Module 4.
5. Scroll to find a particular lesson.
6. Now you can click on one of the choices offered for that lesson. What is offered varies from lesson to lesson. These are some of the choices the lessons may offer.
 - **Math Chat/Learning Lab/Z-Quad:** could have a warm-up followed by a video or just a lesson video
 - **Tower:** Practice Problems
 - **Bonus:** Extra Problems
 - **Sprints:** Sprints presented in lesson are available for student to take online.
 - **Multiply Mania:** Multiplication Facts

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Additional Practice aligned with DUVAL Math!