

FAMILY MATH

Compose and Decompose Teen Numbers

Dear Family,

Students are learning to represent teen numbers by using number bonds and number sentences. The prior work of composing and decomposing expands to include numbers greater than 10. This experience reinforces an understanding of part-total relationships since the numbers 11–19 can be written with 10 as one part and some ones as the other part.



*13 is the total. 10 and 3 are the parts.
13 is 10 and 3.*

$$13 = 10 + 3$$

At-Home Activities

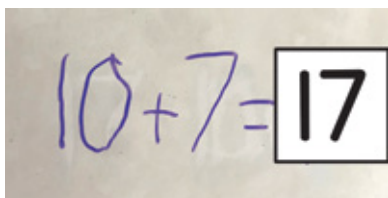
Activity Idea 1 Number Detective

Cut out the attached numeral cards and invite your child to place cards 10 to 20 in order. Turn over every other card and play Number Detective to figure out the missing numbers. Your child can use the numbers facing up to reason about which ones are hidden. If numbers 11 to 20 are too challenging for your child, consider playing with cards 1 to 10 first and then moving on to cards 11 to 20 when your child is ready.

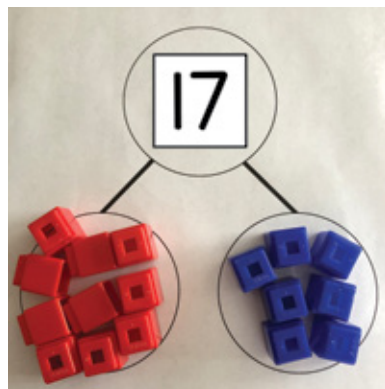


Activity Idea 2 Number Bond Match

Place the numeral cards 11–20 in a pile. Invite your child to select a card and draw a number bond and number sentence to match by using 10 as a part. If needed, they can count household items for additional support.

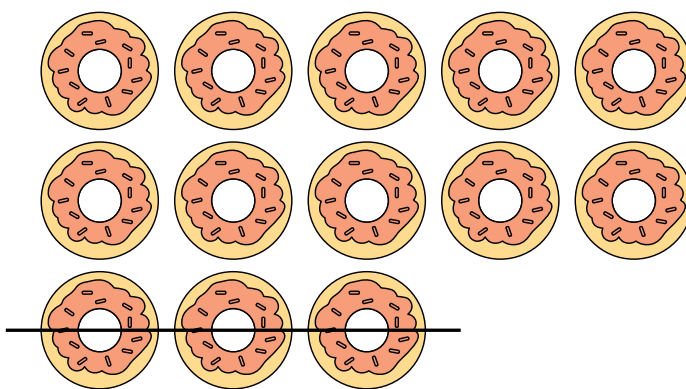


$$10 + 7 = 17$$



Problem Solving with Teen Numbers

Students are expanding their use of addition and subtraction sentences to represent stories and pictures involving teen numbers. The context allows them to connect real-life situations to abstract representations such as number sentences. For example, “Jane has 13 doughnuts. She gives 3 to her friend. How many doughnuts are left?” Students can use the picture and number sentence to represent the story.





$$13 - 3 = \square$$

Solving story problems allows students to return to the following questions about number relationships and number sentences:

- Do you know the parts or the total in this story?
- How many do they have left? How many do they have altogether? How do you know?
- Could you use a number bond or number sentence?

As their experience and vocabulary grow, students are able to answer these questions in more depth. Students also develop important mathematical practices such as making sense of problems and persevering to solve them.

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20

