Lesson 21: Compose and Decompose Numbers 11–19

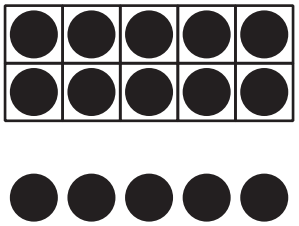
- Let's make groups of 10.

Warm-up: Which One Doesn't Belong: Numbers 11–20

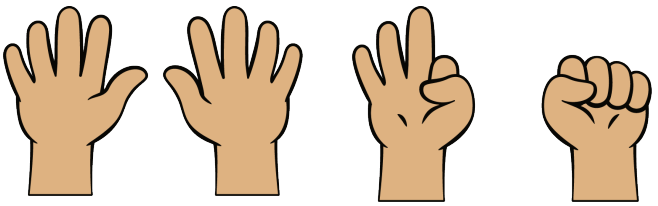
Which one doesn't belong?

A

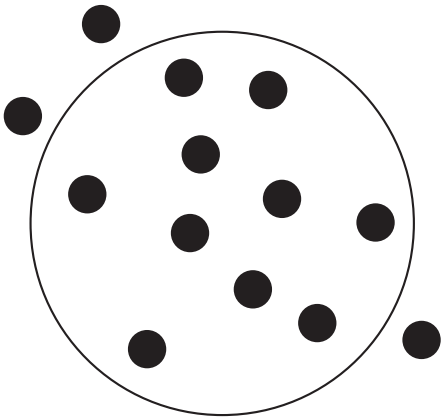
B



C



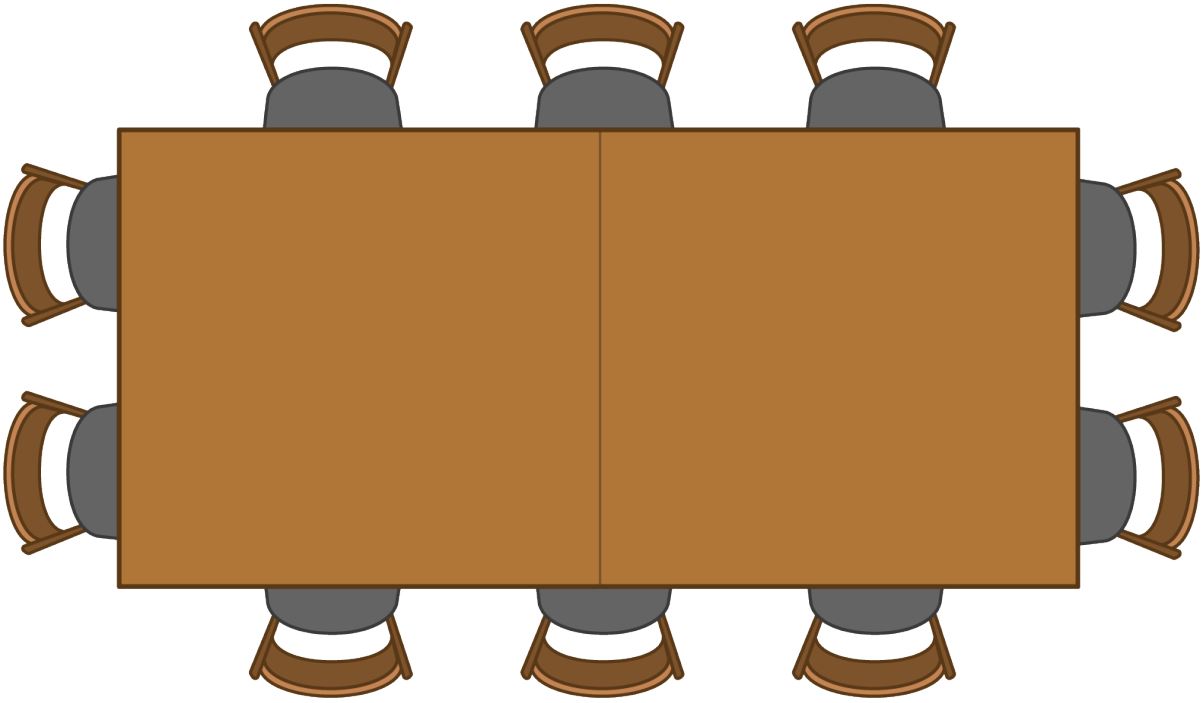
D



CC BY 2021 Illustrative Mathematics®

CC BY 2021 Illustrative Mathematics®

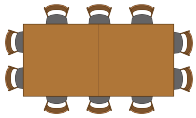
21.1: Where Will They Sit?



CC BY 2021 Illustrative Mathematics®

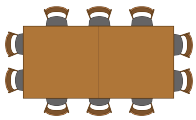
CC BY 2021 Illustrative Mathematics®

1.



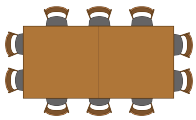
_____ + _____ = _____

2.



_____ + _____ = _____

3.

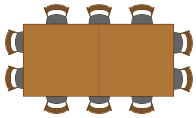


_____ + _____ = _____

CC BY 2021 Illustrative Mathematics®

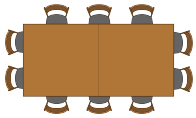
CC BY 2021 Illustrative Mathematics®

4.



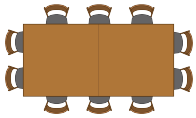
_____ + _____ = _____

5.



_____ + _____ = _____

6.



_____ + _____ = _____

CC BY 2021 Illustrative Mathematics®

CC BY 2021 Illustrative Mathematics®

21.2: Finish the Equations

- $17 = 10 + _____$
- $19 = _____ + 9$
- $10 + _____ = 14$
- $_____ + 2 = 12$
- $11 = _____ + 1$
- $15 = 10 + _____$

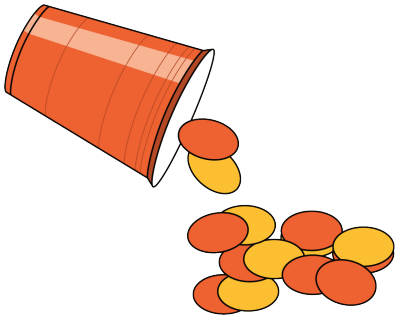
CC BY 2021 Illustrative Mathematics®

CC BY 2021 Illustrative Mathematics®

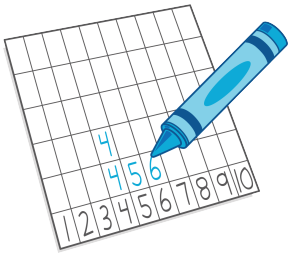
21.3: Centers: Choice Time

Choose a center.

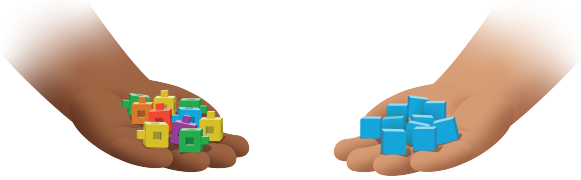
Shake and Spill



Number Race

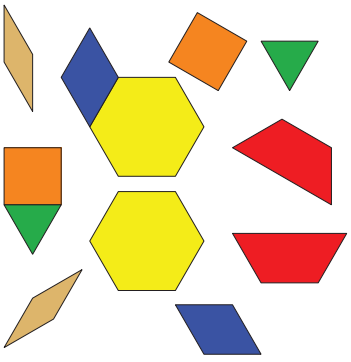


Grab and Count



What's Behind My Back?

Pattern Blocks



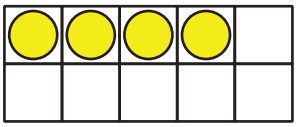
CC BY 2021 Illustrative Mathematics®

CC BY 2021 Illustrative Mathematics®

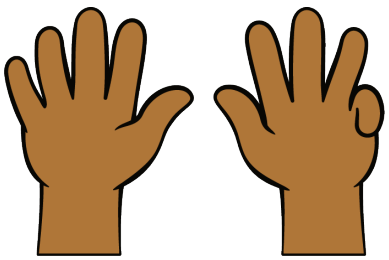
Section Summary

Section Summary

In this section, we used our fingers, objects, 10-frames, and drawings to find all of the ways to make 10.



$10 = 4 + 6$



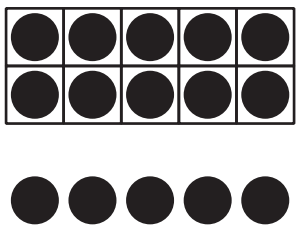
$10 = 9 + 1$

We figured out how many more are needed to make 10.

$10 = 8 + _____$

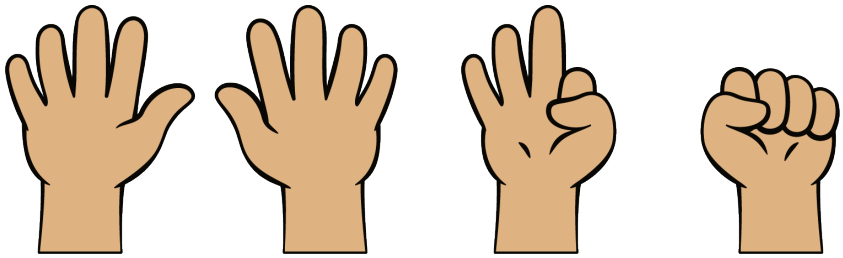
$10 = 8 + \underline{\ 2\ }$

We showed numbers 11–19 as 10 and some more.



$15 = 10 + 5$

CC BY 2021 Illustrative Mathematics®



$10 + 3 = 13$

CC BY 2021 Illustrative Mathematics®

CC BY 2021 Illustrative Mathematics®