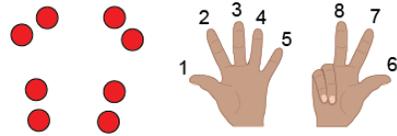


Activity 19 Assessment

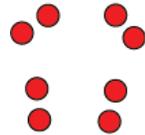
Repeated Addition and Multiplication

Multiplying 1-Digit Numbers

Groups objects and counts by 1s

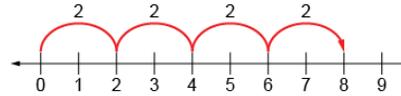


Groups objects and skip-counts



"2, 4, 6, 8"

Uses repeated addition



$$"2 + 2 + 2 + 2 = 8."$$

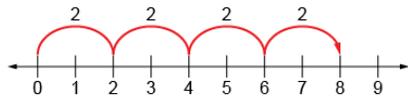
Models using multiplicative thinking



"4 rows of 2 is 8."

Observations/Documentation

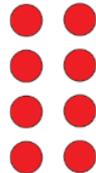
Understands relationship between operations



"I can think of $2 + 2 + 2 + 2 = 8$ as 4 groups of 2."

Uses multiplication symbol

$$"4 \times 2 = 8"$$



Multiplies fluently (e.g., uses properties of multiplication)

$$"4 \times 2 = 8"$$

$$2 \times 4 = 8"$$

Creates and solves problems involving equal groups

$$4 \times 2 = 8$$

"There are 4 bicycles in the shed.
How many wheels are there altogether?"

Observations/Documentation