

Activity 7 Assessment

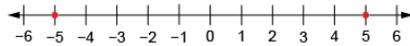
Consolidating Integers

Exploring Integers

Describes integers in terms of a positive or negative distance from zero.

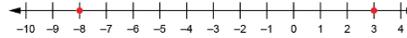
“-5 is 5 units to the left of 0 on a horizontal number line. +3 is 3 units to the right of 0.”

Understands that an integer and its opposite are the same distance from zero but on opposite sides of zero.



“Negative 5 is the same distance from zero as positive 5.”

Recognizes that the value of negative numbers decreases as the number of digits increases.



“-8 is less than +3 because it is less than zero: $-8 < 3$.”

Compares and orders positive and negative integers.

-5, 0, -2, 5, -1



“From least to greatest: -5, -2, -1, 0, 5”

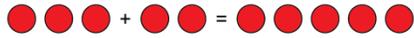
Observations/Documentation

Activity 7 Assessment

Consolidating Integers

Exploring Integers (cont'd)

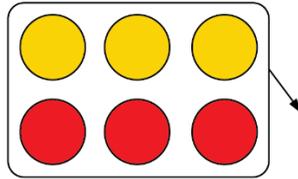
Adds integers with like signs concretely or pictorially (e.g., using counters or number lines).



$$-3 + (-2) = -5$$

"The sum of two negative integers is negative."

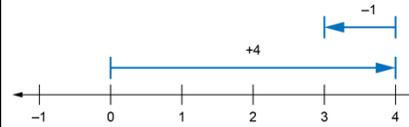
Recognizes that the sum of a number and its additive inverse is 0.



$$-3 + (+3) = 0$$

"Adding an integer and its opposite gives 0."

Adds integers with different signs concretely (e.g., using counters and zero pairs or number lines).



$$4 + (-1) = 3$$

"I moved right to model +4, then left to model -1. I ended up at +3."

Flexibly adds integers and solves addition story problems.

$$-6 + 2$$

"I think of it as the sum of 0 and another integer."

$$\begin{aligned} -6 + 2 &= (-4 + (-2)) + 2 \\ &= -4 + (-2 + 2) \\ &= -4 + 0 \\ &= -4 \end{aligned}$$

Observations/Documentation