

# Adding & Subtracting Integers

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Name: \_\_\_\_\_ Date: \_\_\_\_\_

## LEARNING OBJECTIVE

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Students will add and subtract positive and negative integers using a number line walk and two-color counters.

## MATERIALS NEEDED

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- masking tape number line from Week 1 (or new one)
- 20 dried beans or buttons (colored on one side, or use two colors)
- notebook paper
- pen or pencil

## HANDS-ON ACTIVITY

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1. On your taped number line, physically walk out 3 addition problems: start at the first number, face right for positive movement, face left for negative, and step the number of spaces for the second number, then note where you land.
2. Using two-color counters (beans colored on one side = positive, plain side up = negative), model  $-5 + 3$  by placing 5 'negative' beans and 3 'positive' beans, then pair up and remove matching opposite pairs to find the answer.
3. Model 2 more problems with the counters:  $4 - 6$  and  $-3 - (-2)$ , removing matched pairs each time to find the result.
4. Record all 5 problems (3 walked, 2 with counters) and their answers on notebook paper, showing your work.

## QUESTIONS

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1. Using the number line walk, what is  $-4 + 7$ ? Describe your movement.
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2. Using counters, what is  $4 - 6$ ? Show how the matched pairs helped you find the answer.
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3. What is  $-3 - (-2)$ ? Explain in words what subtracting a negative means.
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**4. Write a rule, in your own words, for adding two negative numbers.**

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