LESSON MAKER PRO

Score the Move

Add integers and explain what each sum means.

GRADE 6 · 6.NS.9b

6.NS.9b "Understand p + q as the number located a distance |q| from p, in the positive or negative direction depending on whether q is positive or negative. Show that a number and its opposite have a sum of 0 (are additive inverses)..."

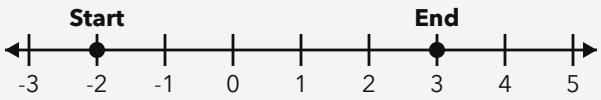
NAME _____ DATE _____

MOVE TO ADD

Start at the first number. Move right to add a positive number or left to add a negative number. A number and its opposite add to 0 because their moves cancel.

WORKED EXAMPLE

Find -2 + 5.



1. Start at -2.
2. Move 5 units right.
3. Land at 3.

Answer: -2 + 5 = 3

PRACTICE 4 problems

1 Find -6 + 9.

ANSWER _____

2 Find 8 + (-11).

ANSWER _____

3 Find -9 + (-9).

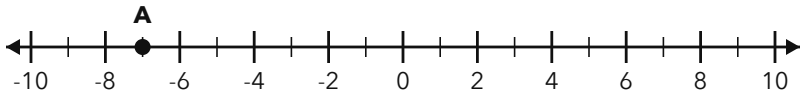
ANSWER _____

4 Find 12 + (-12). Explain why the sum is 0.

ANSWER _____

APPLY IT Show your work

1 Your game score is at A. You earn 10 points. Write a sum and find your new score.



ANSWER _____

2 At sunrise, the temperature is -4°C. It falls 6°C. Write a sum and find the new temperature.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A game score is -13. It gains 13 points, then loses 6 points. Write both sums, give the final score, and explain why the first sum is 0.

WORK SPACE AND ANSWER

ANSWER KEY

Score the Move

GRADE 6 · 6.NS.9b

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Find -6 + 9.	**3**
2	Find 8 + (-11).	**-3**
3	Find -9 + (-9).	**-18**
4	Find 12 + (-12). Explain why the sum is 0.	**0. The numbers are opposites, so their moves cancel.**

PART 2 · APPLY IT

1. **-7 + 10 = 3 points** Start at -7 and move 10 units right to reach 3.
2. **-4 + (-6) = -10°C** A fall of 6°C is a change of -6°C. Add it to -4°C.

CHALLENGE

-13 + 13 = 0; 0 + (-6) = -6. The first two numbers are opposites, so their sum is 0. The final score is -6 points.

Accept equivalent explanations that opposites cancel. For the word problems and challenge, accept sums written with or without units if the final answer includes the correct units.