LESSON MAKER PRO

Integer Moves

Practice adding and subtracting positive and negative numbers.

GRADE 6 · 6.N.2.3

6.N.2.3 "Add and subtract integers in a variety of situations; use efficient and generalizable procedures including but not limited to standard algorithms."

NAME _____ DATE _____

ADD THE OPPOSITE

To subtract an integer, add its opposite. When adding integers with different signs, subtract their absolute values and use the sign of the number with the greater absolute value. When the signs match, add their absolute values and keep that sign.

WORKED EXAMPLE

Find -8 - (-5).

1. Change subtraction to addition: -8 - (-5) = -8 + 5.
2. Subtract the absolute values: 8 - 5 = 3.
3. The number with the greater absolute value is negative, so the result is negative.

Answer: -3

PRACTICE 6 problems

1 -6 + 10 = ?

ANSWER _____

2 -11 + (-9) = ?

ANSWER _____

3 14 - (-2) = ?

ANSWER _____

4 -15 - 6 = ?

ANSWER _____

5 9 + (-13) = ?

ANSWER _____

6 -18 - (-24) = ?

ANSWER _____

APPLY IT Show your work

1 Your score in a video game is -22. You gain 31 points, then lose 16 points. What is your final score?

WORK SPACE

ANSWER _____

2 The robotics club account balance is -$26 after buying supplies. The club earns $40 from a bake sale and spends $11 on new parts. What is the account balance now?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A game score starts at -19. After three changes, the score is 6. The first change is +28, and the second is -12. What is the third change? Show your reasoning with an equation.

WORK SPACE AND ANSWER

ANSWER KEY

Integer Moves

GRADE 6 · 6.N.2.3

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	-6 + 10 = ?	**4**
2	-11 + (-9) = ?	**-20**
3	14 - (-2) = ?	**16**
4	-15 - 6 = ?	**-21**
5	9 + (-13) = ?	**-4**
6	-18 - (-24) = ?	**6**

PART 2 · APPLY IT

1. **-7 points** -22 + 31 - 16 = 9 - 16 = -7.
2. **$3** -26 + 40 - 11 = 14 - 11 = 3, so the balance is $3.

CHALLENGE

+9 points; -19 + 28 - 12 + 9 = 6.

Accept equivalent equations for the challenge if they show that the third change is +9. For the account balance, accept 3 or +$3.