Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Title: Integer Subtraction

To subtract integers, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |  |
| --- | --- | --- |
| **Problem** | **1st: Add the Opposite!**  **2nd: Owe more, Have more? How much more?** | **Answer** |
| 1. 8 – 3 = |  |  |
| 1. 3 – 8 = |  |  |
| 1. 2 – (-9) = |  |  |
| 1. -4 – 6 = |  |  |
| 1. -9 – (-3) = |  |  |

6. The temperature on January 12th was 10° and the temperature on January 13th was -6°.

Part A – Plot and label both temperatures on the number line.



Part B – How much colder was it on January 13 than on January 12?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Guided Practice Add the Opposite! Owe or Have? How much?

1. \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_ \_\_\_\_\_+ \_\_\_\_\_ = \_\_\_\_\_

2. \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_ \_\_\_\_\_+ \_\_\_\_\_ = \_\_\_\_\_

3. \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_ \_\_\_\_\_+ \_\_\_\_\_ = \_\_\_\_\_

4. \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_ \_\_\_\_\_+ \_\_\_\_\_ = \_\_\_\_\_

5. \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_ \_\_\_\_\_+ \_\_\_\_\_ = \_\_\_\_\_

NOW, SHOW ME WHAT YOU GOT!

1. 4 – 1 = \_\_\_\_\_ 4. -4 – 4 = \_\_\_\_\_ 7. -5 – 8 = \_\_\_\_\_

2. -3 – (-7) = \_\_\_\_\_ 5. 6 – 18 = \_\_\_\_\_ 8. 21 – (-15) = \_\_\_\_\_

3. -38 – 38 = \_\_\_\_\_ 6. -23 – (-23) = \_\_\_\_\_ 9. -13 – 12 = \_\_\_\_

9. The temperature was 2° F. By midnight, the temperature had dropped 7° F. What was the temperature at midnight?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. You owe your teacher $26 for the class trip. You give her a payment of $11. How much do you still owe?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11. A golf ball is 6 inches under water. While trying to retrieve it, the golfer accidentally kicks it so that it **descends** (goes down) another 9 inches. How far under the surface of the water is the golf ball?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12. A stock price was $43 on Monday morning. That week, the value of the stock gained $3, lost $5, lost $1, gained $2, and gained $4. What was the stock price at the end of the day on Friday?

A. $28 B. $37 C. $46 D. $58

13. In a trivia game, you earn 15 points for a correct answer and lose 10 points for an incorrect answer. You start with -45 points and answer the next questions wrong. Which expression describes your new scores?

A. -45 + 15 B. -45 – 10 C. -45 – 15 D. 10 – 45

14. Jill and Joe are playing a game. The chart below shows the points gained or lost on each round.

|  |  |  |
| --- | --- | --- |
| **Round** | **Jill** | **Jack** |
| 1 | 10 | 12 |
| 2 | -2 | 3 |
| 3 | 6 | -8 |
| 4 | 4 | 0 |
| 5 | -2 | 7 |

Who has the most total points at the end of the fifth round? \_\_\_\_\_\_\_\_\_\_\_\_\_\_

To win, a player must have 20 points. How many more points does each player need to win?

Jill needs \_\_\_\_\_ more points. Joe needs \_\_\_\_\_ more points.