

Integers  
Temperature Change



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

Block: \_\_\_\_\_

1. What is the “-“ mean in “ $5 - 3$ ” ?
2. What does “-“ mean in “ $5 + (-3)$ ” ?
3. How are they the same?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4. How are they different?

\_\_\_\_\_

\_\_\_\_\_

5. The temperature was  $+4^{\circ}\text{C}$  at midday and by the evening it was  $-6^{\circ}\text{C}$ .

- a. Mr. Wilkins posted some calculations below, which ones make sense to you.

$4 - 6$

$4 + (-6)$

$(-6) - 4$

$(-6) + 4$

- a. Calculate the temperature change for each of them? (Rewrite if needed)

$4 - 6$

$4 + (-6)$

$(-6) - 4$

$(-6) + 4$

- b. What do you think is the temperature change? \_\_\_\_\_

Explain why believe this is the correct answer:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

6. The temperature was  $-8^{\circ}\text{C}$  at midday and by the evening it was  $13^{\circ}\text{C}$ .

a. Mr. Karian posted some calculations below, which ones make sense to you.

$$(-8) - 13$$

$$(-8) + 13$$

$$13 - (-8)$$

$$13 + (-8)$$

b. Calculate the temperature change for each of them? (Rewrite if needed)

$$(-8) - 13$$

$$(-8) + 13$$

$$13 - (-8)$$

$$13 + (-8)$$

c. What do you think is the temperature change? \_\_\_\_\_

Explain why believe this is the correct answer:

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7. Here is a calculation that Mrs. Floyd did:  $5 - (-11)$

Calculate the answer to the problem and explain how you got that answer.

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8. Write a story a cold day that would use this calculation in it.

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