

Name _____

Date _____

The Relationship of Addition and Subtraction

1. Draw tape diagrams to represent each of the following number sentences.

a. $3 + 5 - 5 = 3$

b. $8 - 2 + 2 = 8$

2. Fill in each blank.

a. $65 + \underline{\hspace{1cm}} - 15 = 65$

b. $\underline{\hspace{1cm}} + g - g = k$

c. $a + b - \underline{\hspace{1cm}} = a$

d. $367 - 93 + 93 = \underline{\hspace{1cm}}$

1. Fill in each blank.

a. $\underline{\hspace{1cm}} + 15 - 15 = 21$

b. $450 - 230 + 230 = \underline{\hspace{1cm}}$

c. $1289 - \underline{\hspace{1cm}} + 856 = 1289$

2. Why are the equations $w - x + x = w$ and $w + x - x = w$ called identities?

1. Draw a series of tape diagrams to represent the following number sentences.

a. $3 + 5 - 5 = 3$



b. $8 - 2 + 2 = 8$



2. Fill in each blank.

a. $65 + \underline{\hspace{1cm}} - 15 = 65$

15

b. $\underline{\hspace{1cm}} + g - g = k$

k

c. $a + b - \underline{\hspace{1cm}} = a$

b

d. $367 - 93 + 93 = \underline{\hspace{1cm}}$

367

1. Fill in each blank.

a. $\underline{\hspace{1cm}} + 15 - 15 = 21$

21

b. $450 - 230 + 230 = \underline{\hspace{1cm}}$

450

c. $1289 - \underline{\hspace{1cm}} + 856 = 1289$

856

2. Why are the equations $w - x + x = w$ and $w + x - x = w$ called identities?

Possible answer: These equations are called identities because the variables can be replaced with any numbers, and after completing the operations, I returned to the original value.