

Name _____

Date _____

Absolute Value in Word Problems - Guided Lesson Explanation

Explanation#1

Debts and negative balances signify the amount of money owed.

Positive balances signify money that is available to be spent.

Let's look at the debts or balances everyone is carrying. We will signify debts as negative values.

Cadent has \$234.00 of debt = $-\$234.00$ or owes \$234.00.

Dahlia has \$192.00 of debt = $-\$192.00$ or owes \$192.00.

Edie has a positive bank balance of \$293.00 or + \$293.00

So Cadent has highest negative balance at $-\$234.00$.

Explanation#2

Let's start by totaling all the debts.

Her total expenses = $(\$20.00 + \$25.00 + \$20.00)$

$$= \$65$$

She has a balance of \$70 and she has to pay \$65.

So, the balance of her account after paying all expenses: $\$70 - \$65 = \$5$.

She has a positive account balance of \$5.

Explanation#3

Let's sum up all the debts first.

Her total expenses = $(\$19.00 + \$14.00 + \$20.00)$

$$= \$53$$

She has a balance of \$40 and she has to pay \$53.

The balance of her account after paying all expenses = $\$40 - \$53 = -\$13$.

She has a negative account balance of $-\$13$.

