

# 7.NS, 7.EE Bookstore Account

## Task

a. At the beginning of the month, Evan had \$24 in his account at the school bookstore. Use a variable to represent the unknown quantity in each transaction below and write an equation to represent it. Then represent each transaction on a number line. What is the unknown quantity in each case?

- i. First he bought some notebooks and pens that cost \$16.
- ii. Then he deposited some more money and his account balance was \$28.
- iii. Then he bought a book for English class that cost \$34.
- iv. Then he deposited exactly enough money so that he paid off his debt to the bookstore.

b. Explain why it makes sense to use a negative number to represent Evan's account balance when he owes money.



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