

# Lesson 14: Solving Problems with Rational Numbers

## Cool Down: Charges and Checks

Lin's sister has a checking account. If the account balance ever falls below zero, the bank charges her a fee of \$5.95 per day. Today, the balance in Lin's sister's account is  $-\$2.67$ .

1. If she does not make any deposits or withdrawals, what will be the balance in her account after 2 days?
  
  
  
  
  
  
  
  
  
  
2. In 14 days, Lin's sister will be paid \$430 and will deposit it into her checking account. If there are no other transactions besides this deposit and the daily fee, will Lin continue to be charged \$5.95 each day after this deposit is made? Explain or show your reasoning.