### Lesson 4 Practice Problems

1. The table shows five transactions and the resulting account balance in a bank account, except some numbers are missing. Fill in the missing numbers.

|  | * transaction amount | * account balance |
| --- | --- | --- |
| * transaction 1 | * 200 | * 200 |
| * transaction 2 | * -147 | * 53 |
| * transaction 3 | * 90 |  |
| * transaction 4 | * -229 |  |
| * transaction 5 |  | * 0 |

* 1. Clare has $54 in her bank account. A store credits her account with a $10 refund. How much does she now have in the bank?
  2. Mai's bank account is overdrawn by $60, which means her balance is -$60. She gets $85 for her birthday and deposits it into her account. How much does she now have in the bank?
  3. Tyler is overdrawn at the bank by $180. He gets $70 for his birthday and deposits it. What is his account balance now?
  4. Andre has $37 in his bank account and writes a check for $87. After the check has been cashed, what will the bank balance show?

1. Last week, it rained inches. This week, the amount of rain decreased by 5%. Which expressions represent the amount of rain that fell this week? Select **all** that apply.

* (From Unit 4, Lesson 8.)

1. Decide whether or not each equation represents a proportional relationship.
   1. Volume measured in cups () vs. the same volume measured in ounces ():
   2. Area of a square () vs. the side length of the square ():
   3. Perimeter of an equilateral triangle () vs. the side length of the triangle ():
   4. Length () vs. width () for a rectangle whose area is 60 square units:

* (From Unit 2, Lesson 8.)

1. Add.

* (From Unit 5, Lesson 3.)

1. In each diagram, represents a different value.

* 
* For each diagram,
  1. What is something that is *definitely* true about the value of ?
  2. What is something that *could be* true about the value of ?
* (From Unit 5, Lesson 1.)



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