### Lesson 8 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. Add.
	1. $5\frac{3}{4}+\left(-\frac{1}{4}\right)$
	2. $-\frac{2}{3}+\frac{1}{6}$
	3. $-\frac{8}{5}+\left(-\frac{3}{4}\right)$
* (From Unit 7, Lesson 7.)
1. Which is greater, $\frac{-9}{20}$ or -0.5? Explain how you know. If you get stuck, consider plotting the numbers on a number line.
* (From Unit 7, Lesson 2.)
1. Decide whether or not each equation represents a proportional relationship.
	1. Volume measured in cups ($c$) vs. the same volume measured in ounces ($z$): $c=\frac{1}{8}z$
	2. Area of a square ($A$) vs. the side length of the square ($s$): $A=s^{2}$
	3. Perimeter of an equilateral triangle ($P$) vs. the side length of the triangle ($s$): $3s=P$
	4. Length ($L$) vs. width ($w$) for a rectangle whose area is 60 square units: $L=\frac{60}{w}$
* (From Unit 5, Lesson 5.)



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