

## 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

2. a. 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?
- b. 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?
- c. Tyler is overdrawn at the bank by \$180. He gets \$70 for his birthday and deposits it. What is his account balance now?
- d. 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?

3. Add.

a.  $5\frac{3}{4} + (-\frac{1}{4})$

b.  $-\frac{2}{3} + \frac{1}{6}$

c.  $-\frac{8}{5} + (-\frac{3}{4})$

(From Unit 7, Lesson 7.)

4. 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.)

5. Decide whether or not each equation represents a proportional relationship.

a. Volume measured in cups ( $c$ ) vs. the same volume measured in ounces ( $z$ ):

$$c = \frac{1}{8}z$$

b. Area of a square ( $A$ ) vs. the side length of the square ( $s$ ):  $A = s^2$

c. Perimeter of an equilateral triangle ( $P$ ) vs. the side length of the triangle ( $s$ ):

$$3s = P$$

d. Length ( $L$ ) vs. width ( $w$ ) for a rectangle whose area is 60 square units:  $L = \frac{60}{w}$

(From Unit 5, Lesson 5.)