

Name: \_\_\_\_\_



PRACTICE



TUTORIAL

# 1-3 Additional Practice

Scan for  
Multimedia

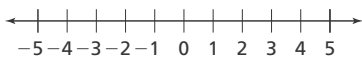


**Leveled Practice** For 1–3, use a number line to help find the sum.

1.  $4 + (-7)$  is  units

from 4, in the  direction.

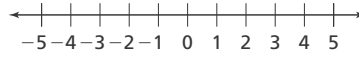
Use the number line to find  $4 + (-7)$ .



2.  $-3 + 5$  is  units

from -3, in the  direction.

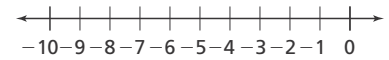
Use the number line to find  $-3 + 5$ .



3.  $-2 + (-6)$  is  units

from -2, in the  direction.

Use the number line to find  $-2 + (-6)$ .



4. In Knoxville, the temperature rises  $4^\circ$  from 4 P.M. to 5 P.M. Then the temperature drops  $7^\circ$  from 5 P.M. to 6 P.M. In Cleveland, the temperature drops  $6^\circ$  from 4 P.M. to 5 P.M. Then the temperature drops  $2^\circ$  from 5 P.M. to 6 P.M.

- What expression represents the change in temperature for Knoxville?
- What integer represents the change in temperature for Knoxville?
- What expression represents the change in temperature for Cleveland?
- What integer represents the change in temperature for Cleveland?

5. Janet deducted \$5 on Monday and another \$6 on Tuesday from her savings account. Write an expression that represents the change in her account balance after the deductions. How much money did Janet deduct?

6. Is the statement true? Explain.

$32 + (-17)$  is 17 units from 32, in the positive direction.

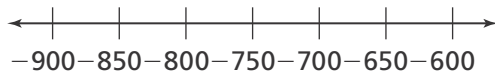
7. A squirrel runs 23 feet down a hill to eat an acorn. Then it runs 23 feet up the hill. Write the integer that represents the squirrel's final position with respect to the top of the hill.

8. Mario walks 7 blocks from his home to a restaurant. He then walks back toward home for five blocks, where he stops at a bookstore. How many blocks is Mario from his home?



9. A leatherback sea turtle was swimming at 850 meters below sea level. He went up 165 meters and then descended 165 meters.

a. Draw a number line to show the change in position of the sea turtle from the depth it was swimming.



b. What integer represents the sea turtle's change in position?

10. **Higher Order Thinking** Felix spends \$150 each month for his gym membership plus \$30 each week for a personal trainer. A new gym charges \$255 a month, which includes a weekly session with a personal trainer. Would Felix save money by switching to the new gym? Explain.

11. Kirk's goal was to save \$300 for a trip. In the first week, Kirk saved \$16 from his allowance and \$54 from his job. He spent \$5 for lunch one day and another \$2 on the bus. The second week, Kirk saved \$62 and another \$41, but spent \$2 for the bus and \$4 for lunch.

a. How much money did Kirk save in the first week? Use integers to solve.

b. How much money did Kirk save after 2 weeks?

c. If Kirk saves \$150 in the third week, but spends \$8, will he reach his goal of saving \$300? Explain.

## Assessment Practice

12. Draw lines to match each situation on the left with its addition expression on the right.

Gail saves \$14 and then spends \$14.

$$-14 + 14$$

A diver swims at 14 feet below sea level, and then swims another 14 feet deeper.

$$14 + (-14)$$

Bailey owes \$14 and then earns \$14.

$$-14 + (-14)$$

