

Answers to Course 1 Unit 2 Practice

LESSON 7-1

- M*
 - P*
 - R*
 - Q*
 - N*
 - S*
- -1
 - 28
 - 0
 - -7
 - -100
 - 3
- -20 ; 20 feet above sea level; 20
 - 30; a withdrawal of \$30; -30
 - -12 ; a gain of 12 points; 12
 - 22; 22°C below 0°C ; -22
- Yes; An integer can be written as a fraction; Sample answer: 6 is an integer that can be written as the fraction $\frac{6}{1}$.
 - No; 0 is neither positive nor negative.
- B

LESSON 7-2

- $<$
 - $>$
 - $>$
 - $<$
 - $>$

7. $-6, -3, 2, 4, 9$

- $-30, -2, 7, 15, 25$
 - $-16, -13, 3, 18, 97$
 - $-12, -8, -7, 0, 10$

9. C

- Dead Sea, Jericho, Death Valley, Caspian Sea, Amsterdam, New Orleans

LESSON 8-1

- -8
 - -3
 - -13
 - 5
 - -3
 - 2
- 1
 - -2
 - 2
 - -15
 - 0
 - -5
- Negative; Sample answer: There will be more negative counters than positive counters.
 - Negative; Sample answer: Since the first addend is negative, start at 0 and move to the left. Since the second addend is also negative move to the left again. The sum will be to the left of 0 on the number line. The sum will be negative.

14. D

15. a. 2°F

b. -6°F

16. a. positive

b. positive

c. negative

d. negative

e. positive

f. negative

17. Possible answer: Find the absolute value of each addend. $|-20| = 20$. $|15| = 15$. Because the signs are different, subtract the absolute values. $20 - 15 = 5$. The negative integer has the greater absolute value, so the sum is -5 .

18. a. 23

b. -25

c. -40

d. 4

e. -27

f. -7

g. -123

h. -16

i. -22

19. -1°C

20. B

LESSON 8-3

21. Check students' models.

22. a. 11

b. -15

c. 4

d. -2

e. 13

f. -5

g. 0

h. -6

i. 9

23. Possible answer: Change the subtraction sign to an addition sign and change the integer being subtracted to its opposite. $-4 - (-8) = -4 + 8$. Then use the rules for adding integers. $-4 + 8 = 4$. The difference is 4.

24. B

LESSON 9-1

25. a. $(2, -3)$

b. $(-2, -5)$

c. $(4, 4)$

d. $(-6, 8)$

e. $(8, -6)$

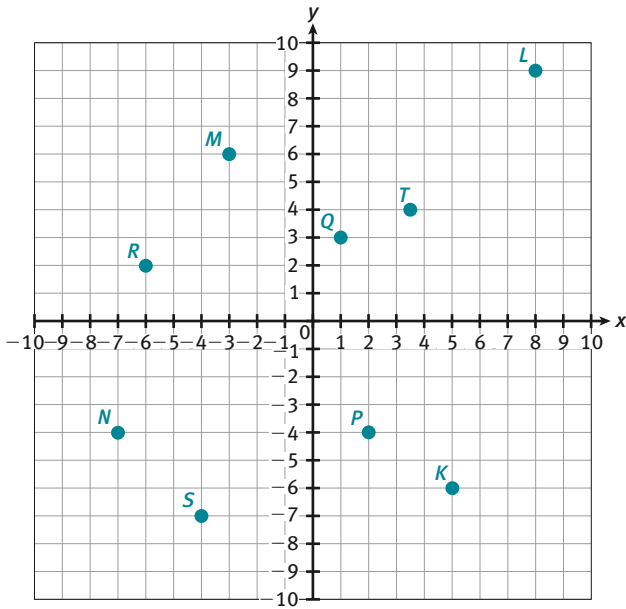
f. $(-8, -6)$

g. $(3, 2\frac{1}{2})$

h. $(-5, 3)$

i. $(5, -4)$

26.



27. a. second
 b. fourth
 c. first
 d. third

28. (0, 5) is on the y -axis. The x -coordinate indicates the distance along the x -axis measured from the y -axis. When the x -coordinate is 0, the distance from the y -axis is 0.

29. B

LESSON 9-2

30. a. 14 units
 b. 10 units
 c. 11 units
 d. 7 units

31. a. Jeremy (12, 5); Aunt Sylvia (12, 8);
 Adriana (7, 5); Robert (5, 8)
 b. 5 blocks
 c. 7 blocks

32. a. $(-2, -6)$
 b. $(2, 6)$
 c. point A

33. B

LESSON 10-1

34. a. negative
 b. negative
 c. positive
 d. positive
 e. negative
 f. positive

35. a. -45
 b. -42
 c. 72
 d. -48
 e. 63
 f. 64
 g. 120
 h. -300
 i. -27
 j. 48

36. a. $\$-48$
 b. $\$437$
 c. at least $\$63$

37. a. $<$
 b. $>$
 c. $>$
 d. $<$

38. D

LESSON 10-2

39. a. -3
b. -6
c. -7
d. 6
e. -12
f. 15

40. a. -8
b. -5
c. 12
d. -3
e. -15
f. 9
g. -12
h. -15
i. 7
j. -9

41. a. -5
b. 1
c. -12
d. -4
e. 2

42. a. $=$
b. $<$
c. $>$

43. C