

Answers to Course 1 Unit 2 Practice

LESSON 7-1

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

LESSON 7-2

6. a. $<$
b. $>$
c. $>$
d. $<$
e. $>$

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

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

9. C

10. Dead Sea, Jericho, Death Valley, Caspian Sea,
Amsterdam, New Orleans

LESSON 8-1

11. a. -8
b. -3
c. -13
d. 5
e. -3
f. 2
12. a. 1
b. -2
c. 2
d. -15
e. 0
f. -5
13. a. Negative; Sample answer: There will be more
negative counters than positive counters.
b. 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. $(8, -6)$

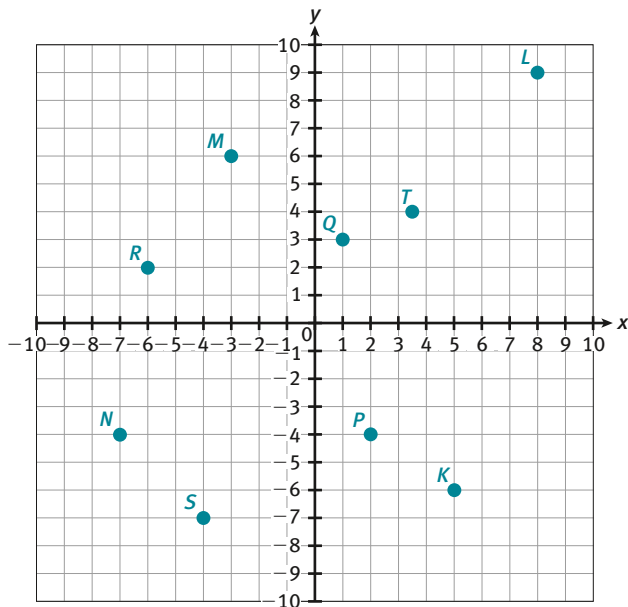
f. $(-8, -6)$

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