

## Sixth Grade: Activity 7 Practice (pg. 91-92)

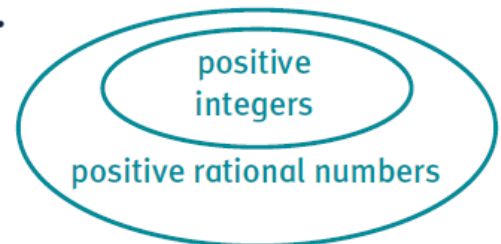
### Lesson 7-1

1. Check students' number lines.
2. a. 6  
b. -4  
c. 1  
d. -7
3. -8
4. 0
5. -15
6. 4
7. -6; starting weight
8. -25; starting balance
9. 1,200; sea level
10. -2; par
11. -7; starting floor
12. a. -2  
b. 13  
c. 68  
d. -94  
e. -187  
f. 275
13. 8; Sample explanation: -8 is 8 units to the left of 0 on a number line.  $-(-8)$  means the opposite of -8, or the number that is 8 units to the right of 0 on the number line.
14. a. -15  
b. 15  
c. The result is the number you started with.
15. 0 because it is 0 units from itself on the number line and is neither positive nor negative
16. withdraw \$20; -20
17. 9 degrees above zero; 9
18. gain of 12 points; 12
19. 35 feet below sea level; -35
20. a. 14                      b. 0  
c. 123                      d. 80  
e. 204                      f.  $1\frac{1}{2}$
21. 0: the only integer that has itself as its opposite is 0.

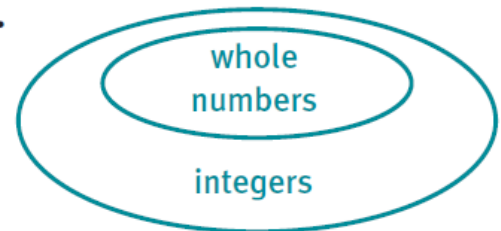
21. 0: the only integer that has itself as its opposite is 0.
22. a. whole number, integer, positive rational number  
b. integer  
c. whole number, integer  
d. positive rational number
23. The negative sign means the team lost yardage. They lost 15 yards on the play.
24. -20,000;  $|-20,000| = 20,000$  which tells how far below sea level the volcano extends.

25. A

26. a.



b.



### Lesson 7-2

27. >
28. <
29. >
30. <
31. <
32. >
33. >
34. <
35. >
36. <
37. >

38.  $-5, -2, 4, 6$   
39.  $-8, -4, 0, 3, 7$   
40.  $-9, -6, -1, 5, 10$   
41.  $-12, -2, 3, 8$   
42.  $-9, -5, -1, 10, 14$   
43.  $-50, -30, -25, 20, 35$   
44.  $-42, -21, 7, 14, 35$   
45.  $-48, -40, -32, 8, 24$   
46. C  
47. 7, 5, 1,  $-27, -29$ ; Friday  
48.  $-54, -45, -13, -2, 1$ ; Wednesday  
49. No, the three warmest days are in the same order but the last two days are switched. The days from warmest to coldest high temperatures are Friday, Thursday, Monday, Wednesday, Tuesday while the days from warmest to coldest low temperatures are Friday, Thursday, Monday, Tuesday, Wednesday.  
50. a. The cave is more than 45 feet deep.  
b. The temperature is more than 10 degrees below 0.  
51. sunken ship  
52.  $-2, -1, 1, 6$ ; his third round  
53. C  
54.  $-8$  is to the left of  $-2$ .  
55. Answers may vary.  $-6 : |-6| = 6$  and the opposite of 6 is  $-6$ .