

Subtracting Integers

Words To subtract an integer, add its opposite.

Numbers 3-7=3+(-7)=-4 Algebra a-b=a+(-b)

$$8 - 3 = 5$$

$$10 - 4 = 14$$

$$-10 + 4 = 7$$

Name _____ Date ____

Practice A

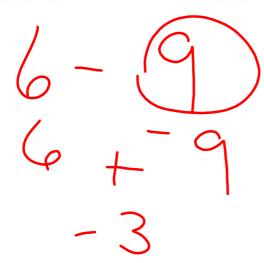
For use with pages 34-38

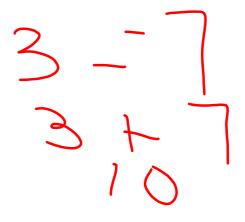
Find the difference.

1. 6 – 9

2. 11 – 15

3. 3 - (-7)





4.
$$5 - (-12)$$

6.
$$-13 - 2$$

9.
$$-14 - (-3)$$

Evaluate the expression when m = -5 and n = -7.

10.
$$m-9$$

11.
$$-8 - m$$

12.
$$n-6$$

13. m - n

14. n-11

15. 12 - m

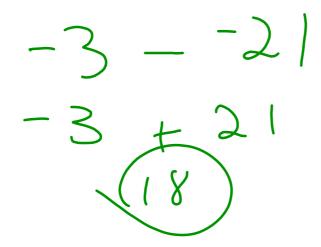
12+5-12+5-

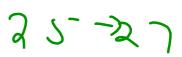
Find the change in temperature or elevation.

18. From
$$-7^{\circ}$$
F to 16° F

17. From
$$-21^{\circ}$$
C to -3° C

19. From
$$-12^{\circ}$$
F to 32° F





237 32-12 32+12 **20.** From -80 feet to -45 feet

21. From -37 yards to 15 yards

22. From 24 meters to -8 meters

23. From -13 meters to -21 meters

- **24.** Find the value of the expression -6 (-12) 4.
- **25.** Find the value of the expression 9 16 (-8).

26. In one day, the temperature rose from $-9^{\circ}F$ to $15^{\circ}F$. Find the temperature change.

27. An airplane moves from its cruising altitude of 36,000 feet to an altitude of 29,875 feet. What is the change in altitude?

29875-+-36000 -6125 **28.** At 6 A.M., the outside temperature is 32°F. Starting at 8 A.M., you record the temperature every 2 hours. At the first recording, the temperature drops 3°F, at the second recording, the temperature drops an additional 5°F. At the third and final recording, the temperature drops an additional 2°F. What is the temperature after the final recording?