Extra Practice

Add.

19. $18 + (-5) =$ 13

$18 + (-5) = |18| - |-5|$

Homework Help ➡

$= 18 - 5$

$= 13$

20. $-19 + 24 =$ 5

$-19 + 24 = 24 + (-19)$

$= |24| - |-19|$

$= 24 - 19$

$= 5$

21. $13 + (-19) =$ _____

22. $14 + (-6) =$ _____

23. $15 + 9 + (-9) =$ _____

24. $-4 + 12 + (-9) =$ _____

25. $-16 + 16 + 22 =$ _____
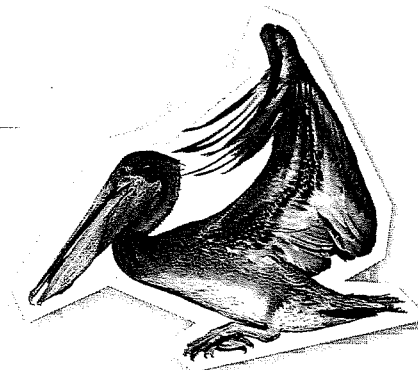
26. $25 + 3 + (-25) =$ _____

27. $7 + (-19) + (-7) =$ _____

PS **Justify Conclusions** Write an addition expression to describe each situation. Then find each sum and explain its meaning.

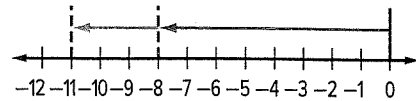**28.** Ronnie receives $40 for his birthday. Then he spends $15 at the movies.

_____

29. A quarterback is sacked for a loss of 5 yards. On the next play, his team loses 15 yards. Then the team gains 12 yards on the third play.

_____

_____

30. A pelican starts at 60 feet above sea level. It descends 60 feet to catch a fish.

_____

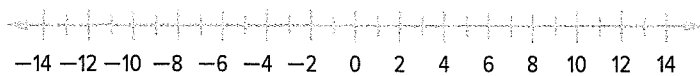**31.** The number line at the right models an addition sentence. Determine if the situations below could be modeled by the addition sentence. Select yes or no.

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        ┌----┐←──────┐
←─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─→
 -12 -11-10 -9 -8 -7 -6 -5 -4 -3 -2 -1  0
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   a. Alison spent 8 dollars on a movie ticket.   ▢ Yes   ▢ No
       Then she spent 3 dollars on a drink.

   b. A dolphin swims at a depth of 11 feet below   ▢ Yes   ▢ No
       sea level. The dolphin swims up 3 feet and then
       swims up another 8 feet.

   c. A football team lost 8 yards on their first play.   ▢ Yes   ▢ No
       On the second play, the team lost 3 yards.

32. At 8 A.M., the temperature was 3°F below zero. By 1 P.M., the temperature rose 14°F and by 10 P.M., dropped 12°F. Plot points and draw arrows on the number line below to model this situation.

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←─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─→
 -14 -12 -10 -8  -6  -4  -2   0   2   4   6   8  10  12  14
```

What was the temperature at 10 P.M.? Explain how the number line helped you find your answer.

Spiral Review

Write an integer for each situation.

33. a bank deposit of $75 _____

34. a loss of 8 pounds _____

35. 13° below zero _____

36. a gain of 4 yards _____

37. spending $12 _____

38. a gain of 5 hours _____