

Name: _____



PRACTICE



TUTORIAL

Practice & Problem Solving



Scan for
Multimedia



In 21–24, use the pictures at the right.

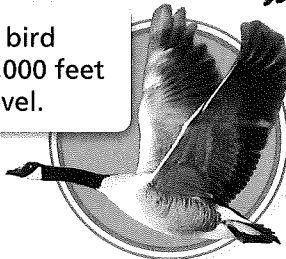
21. Generalize Which integer represents sea level? Explain.



Ruppell's Griffons
fly up to 37,000
feet above sea level.

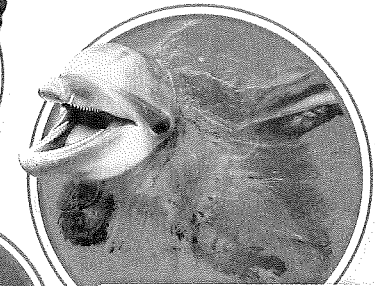
22. Use a negative integer to represent the depth to which a dolphin may swim.

A migrating bird
flies up to 5,000 feet
above sea level.

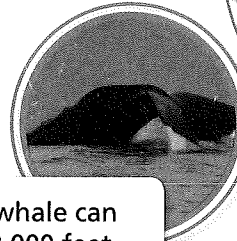


23. Which of these animals can travel at the greatest distance from sea level?

24. Order the elevations of the animals as integers from least to greatest.

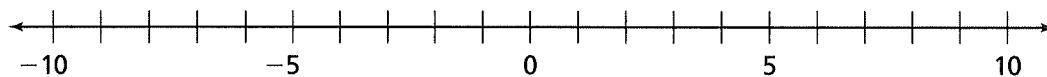


A dolphin can swim
to 150 feet below
sea level.



A sperm whale can
swim to 3,000 feet
below sea level.

In 25–30, plot each point on the number line below.



25. $G(-10)$

26. $H(8)$

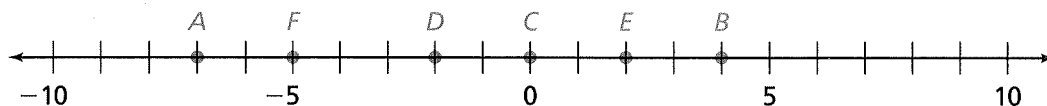
27. $I(-1)$

28. $J(9)$

29. $K(6)$

30. $L(-3)$

In 31–36, write the integer value that each point represents. Then use the number line to help write its opposite.



31. A

32. B

33. C

34. D

35. E

36. F



37. Write the opposite of each integer.

A. 5

B. -13

C. $-(-22)$

D. -31

E. -50

F. $-(-66)$

38. Compare the integers and write the integer with the greater value.

A. -5, 1

B. -6, -7





C. -9, 8

D. -12, $-(-10)$

E. $-(-9)$, 11

F. $-(-4)$, 3

39. The display at the right shows the daily low temperatures for several consecutive days. Write the temperatures in order from least to greatest. On which day was it the coldest?

MON	TUE	WED	THU
			
4°	-5°	-7°	7°

40. In a bank account, a paid-out expense is called a *debit*, and a deposit is called a *credit*. Would you use positive or negative integers to represent credits? Debits? Explain.

41. **Higher Order Thinking** Atoms have negatively charged particles called *electrons* and positively charged particles called *protons*. If an atom loses an electron, it has a positive electric charge. If it gains an electron, it has a negative electric charge. Which integer would represent the electric charge of an atom that has an equal number of electrons and protons?

Assessment Practice

42. Draw lines to connect each integer on the left with its opposite on the right.

-24	8
19	-19
24	-24
-8	$-(-24)$

43. Draw lines to connect each integer on the left with its opposite on the right.

-5	-13
$-(-13)$	-2
2	-4
4	5

