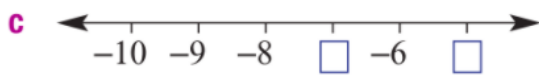
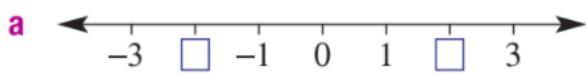


1 What are the missing numbers on these number lines?



2  $-5$  is the opposite number of  $5$ , and  $5$  is the opposite number of  $-5$ . Write down the opposite to these numbers.

**a** 2

**b** 6

**c**  $-3$

**d**  $-7$

**e**  $-15$

**f** 21

**g** 132

**h**  $-1071$

3 Fill in the blanks using the words *greater* and *less*.

**a** 5 is \_\_\_\_\_ than 0

**b**  $-3$  is \_\_\_\_\_ than 0

**c** 0 is \_\_\_\_\_ than  $-6$

**d** 0 is \_\_\_\_\_ than 1

4 Draw a number line for each description, showing all the given integers.

**a** from  $-2$  to 2

**b** from  $-5$  to 1

5 List all the integers that fit the given description.

**a** from  $-2$  up to 4

**b** from  $-7$  up to 0

6 Insert the symbol  $<$  (is less than) or  $>$  (is greater than) into these statements to make them true.

**a**  $7 \square 9$

**b**  $3 \square 2$

**c**  $0 \square -2$

**d**  $-4 \square 0$

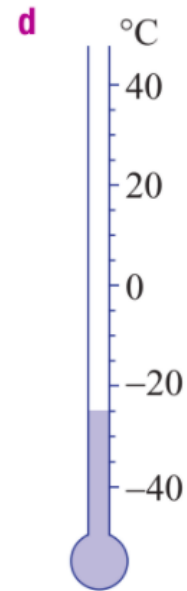
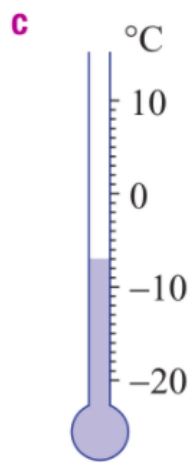
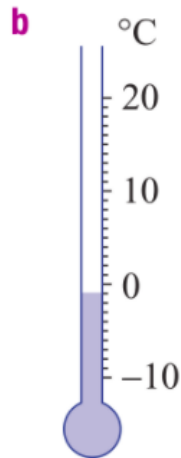
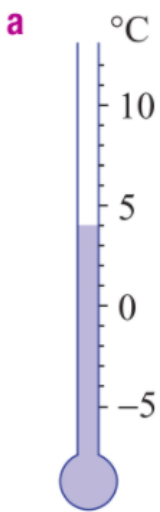
**i**  $-3 \square 3$

**j**  $3 \square -3$

**k**  $-130 \square 1$

**l**  $-2 \square -147$

7 Give the temperature for these thermometers.



8 Arrange these numbers in *ascending* order.

**a**  $-3, -6, 0, 2, -10, 4, -1$

**b**  $-304, 126, -142, -2, 1, 71, 0$

9 Write the next three numbers in these simple patterns.

**a**  $3, 2, 1, \_, \_, \_$

**b**  $-8, -6, -4, \_, \_, \_$

**c**  $10, 5, 0, \_, \_, \_$

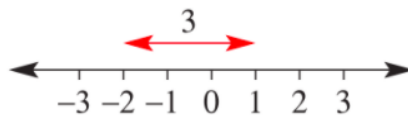
**d**  $-38, -40, -42, \_, \_, \_$

10 These lists of numbers show deposits (positive numbers) and withdrawals (negative numbers) for a month of bank transactions. Find the balance at the end of the month.

**a** Starting balance \$200  
 $-\$10$   
 $-\$130$   
 $\$25$   
 $-\$100$   
 $\$20$   
 \_\_\_\_\_  
 Final balance \_\_\_\_\_

**b** Starting balance \$0  
 $\$50$   
 $-\$60$   
 $-\$100$   
 $\$200$   
 $-\$100$   
 \_\_\_\_\_  
 Final balance \_\_\_\_\_

12 The difference between two numbers could be thought of as the distance between the numbers on a number line. For example, the difference between  $-2$  and  $1$  is  $3$ .



Find the difference between these pairs of numbers.

**a**  $-1$  and  $1$

**b**  $-2$  and  $2$

**c**  $-3$  and  $1$

**d**  $-4$  and  $3$

**e**  $-3$  and  $0$

**f**  $-4$  and  $-1$

**g**  $-10$  and  $-4$

**h**  $-30$  and  $14$