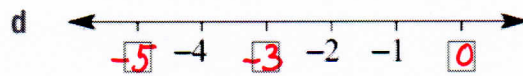
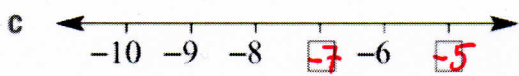
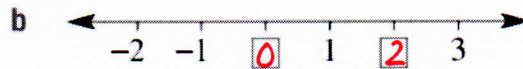
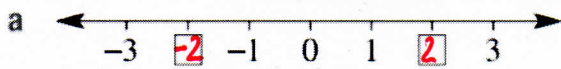


1 What are the missing numbers on these number lines?



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

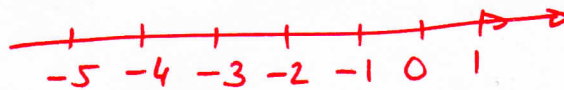
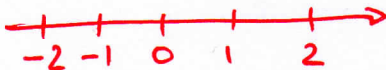
- a 2 -2 b 6 -6 c -3 3 d -7 7
e -15 15 f 21 -21 g 132 -132 h -1071 1071

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

- a 5 is greater than 0 b -3 is less than 0
c 0 is greater than -6 d 0 is less 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

$-2, -1, 0, 1, 2, 3, 4$

b from -7 up to 0

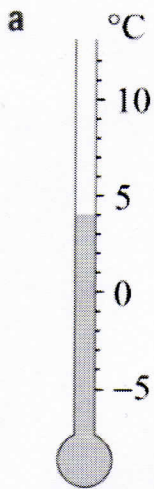
$-7, -6, -5, -4, -3, -2, -1, 0$

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

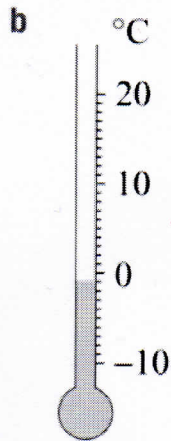
- a $7 < 9$ b $3 > 2$ c $0 > -2$ d $-4 < 0$

- i $-3 < 3$ j $3 > -3$ k $-130 < 1$ l $-2 > -147$

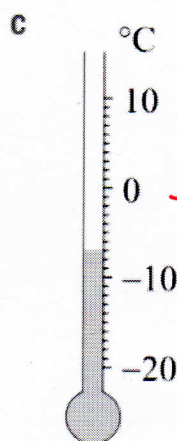
7 Give the temperature for these thermometers.



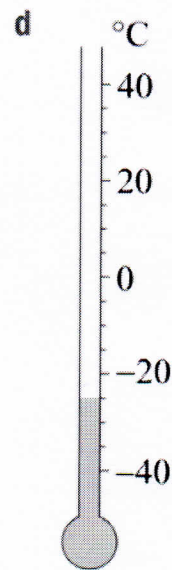
4°C



-1°C



-7°C



-25°C

8 Arrange these numbers in *ascending* order.

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

-10 < -6 < -3 < -1 < 0 < 2 < 4

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

-304 < -142 < -2 < 0 < 1 < 71 < 126

9 Write the next three numbers in these simple patterns.

a 3, 2, 1, 0, -1, -2

b -8, -6, -4, -2, 0, 2

c 10, 5, 0, -5, -10, -15

d -38, -40, -42, -44, -46, -48

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.

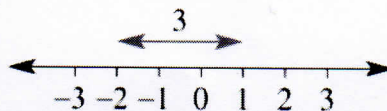
a Starting balance \$200
-\$10
-\$130
\$25
-\$100
\$20

Final balance 5

b Starting balance \$0
\$50
-\$60
-\$100
\$200
-\$100

Final balance -10

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 2

b -2 and 2 4

c -3 and 1 4

d -4 and 3 7

e -3 and 0 3

f -4 and -1 3

g -10 and -4 6

h -30 and 14 44