## Understand and use representations of directed numbers





What is the total value of each set of counters?

- a) 1 1 =
  - <u>-1</u> <u>-1</u> =
- b) 1 1 1 1 =
  - -1 -1 -1 =
- c) 1 1 1 1 1 1 =
  - -1 -1 -1 -1 -1 =
- d) 1 1 1 1 1 1 1 1 1 =
- Circle the number that is closest to zero.

2

-3

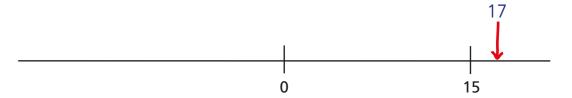
-1

4

Explain your answer.

3 Here is a number line.

Mo has marked the number 17



- a) Mark the number -17 on the number line.
- b) How do you know where -17 is?

Write the missing numbers.

a)

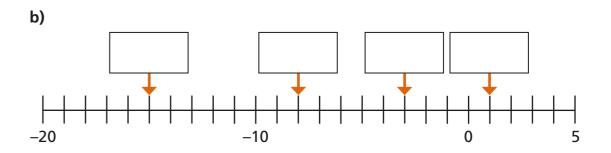
-10

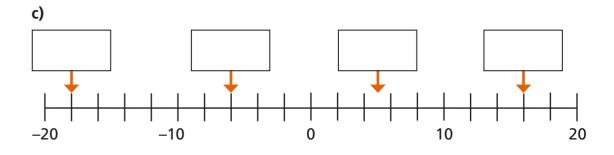
-5

0

5

10





What numbers are the arrows pointing to?

Label them on the number lines.

a)



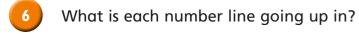
b)



c)

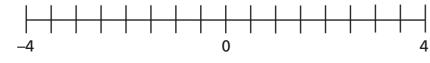


Discuss with a partner how you worked out the numbers.

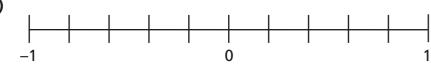


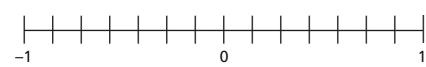
Give your answer as a fraction.





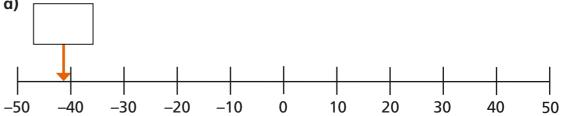
b)



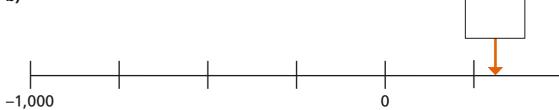


Estimate the number the arrow is pointing to on the number line.

a)

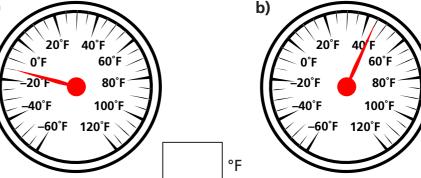


b)



What temperatures are shown on the thermometers?







Compare answers with a partner. Did you get the same?

