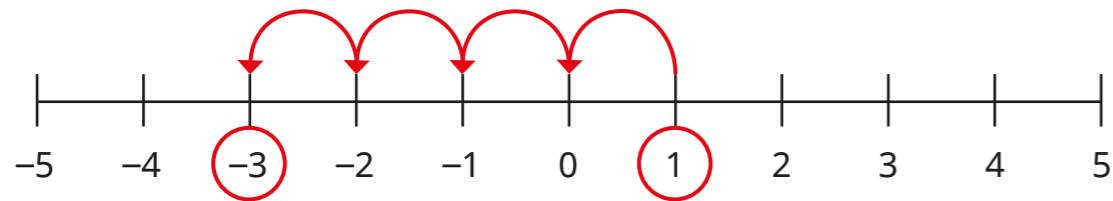


Find the difference



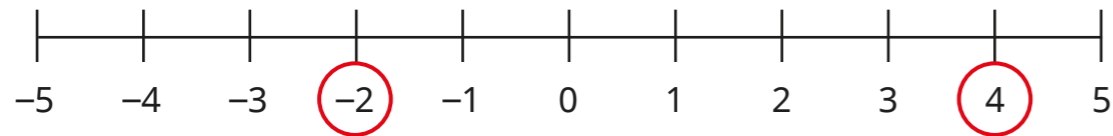
1 Use the number lines to find the differences.

a)



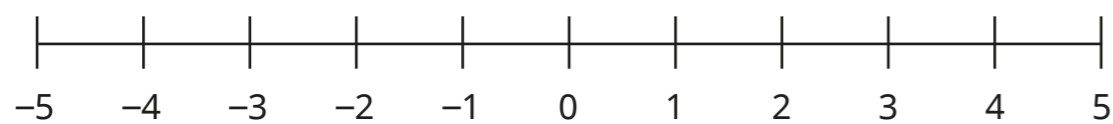
The difference between 1 and -3 is

b)



The difference between -2 and 4 is

c)

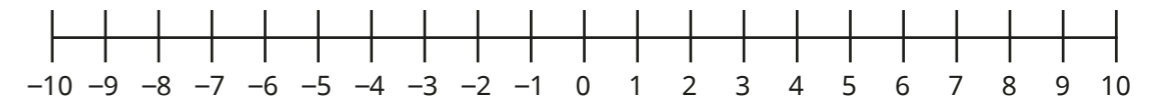


The difference between 5 and -4 is

What do you notice?



2 Here is a number line from -10 to 10



a) How many jumps are there from 4 to zero?

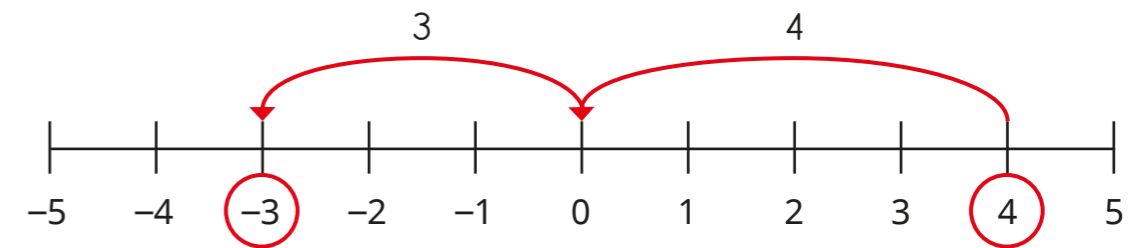
b) How many jumps are there from -4 to zero?

c) How many jumps are there from -8 to zero?

d) How many jumps are there from 8 to zero?

What do you notice?

3 Tiny is finding the difference between 4 and -3

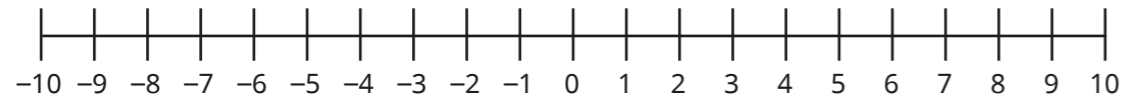


What is the difference between 4 and -3?

What do you notice?



- 4 Use the number line to find the differences by jumping to and from zero.



- a) The difference between 2 and -3 is
- b) The difference between -3 and 7 is
- c) The difference between 1 and -6 is
- d) The difference between -9 and 9 is

- 5 Find the differences between the pairs of numbers.

- a) 17 and -21
- b) -23 and 8
- c) 52 and -33
- d) 109 and -36

- 6 The average temperature in July is 26°C .
The average temperature in January is -9°C .
What is the difference in average temperatures between January and July?

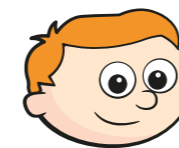
$^{\circ}\text{C}$

- 7 Mr Rose parks his car on floor -3 of a building.
He goes up 8 floors in a lift to his office.
He then goes down 2 floors for a meeting.
How many floors does Mr Rose need to go down to get back to his car?

- 8 Ron and Annie are comparing the differences between the pairs of numbers.

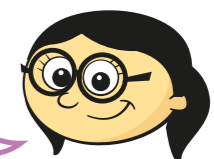
-11 and -7

2 and -5



Ron

The difference between 11 and 7 is 4 and the difference between 2 and 5 is 3, so the difference is greater between -11 and -7



Annie

I think that the difference is greater between 2 and -5

Who do you agree with?

Explain your reasons.

