

## Negative numbers

Click on this link to access the White Rose Maths:

<https://whiterosemaths.com/homelearning/year-6/week-2/>

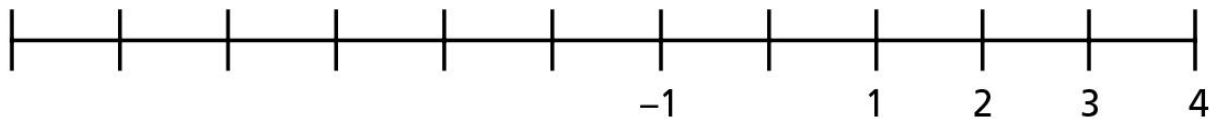
Watch the videos:

- Negative Numbers (In Context)
- Negative Numbers

Then attempt the tasks that follow.

# Negative numbers

**I** Complete the number line.



2

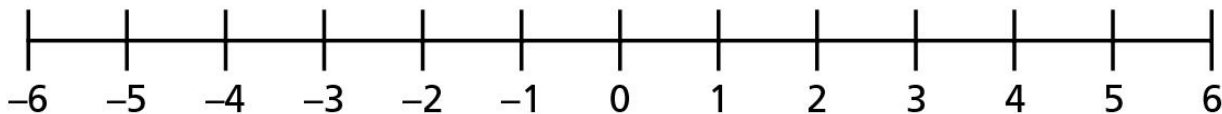
The table shows the temperatures in four cities in the world.

Leeds	Barcelona	Chicago	Sydney
$-5^{\circ}\text{C}$	$7^{\circ}\text{C}$	$-8^{\circ}\text{C}$	$16^{\circ}\text{C}$

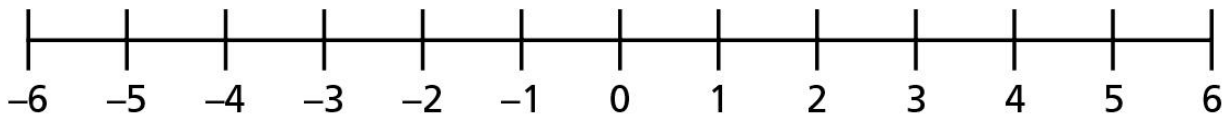
- How many degrees colder is it in Barcelona than Sydney?
- How many degrees warmer is it in Leeds than Chicago?
- How many degrees colder is it in Leeds than Sydney?
- What is the difference between the temperature in Barcelona and Chicago?
- The temperature in Leeds increases by  $4^{\circ}\text{C}$ .  
What is the new temperature?
- The temperature in Chicago decreases by  $3^{\circ}\text{C}$ .  
What is the new temperature?

**3** Complete the sentences. Use the number lines to help you.

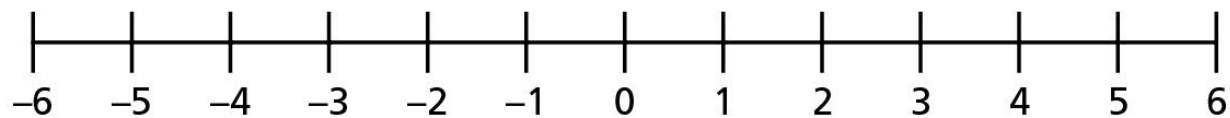
a) 5 more than  $-3$  is



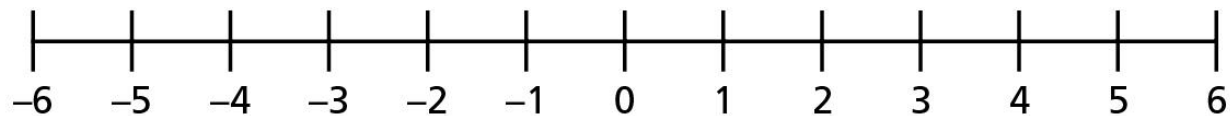
b) 4 less than 1 is



c) 4 more than  $-4$  is



d) 3 less than  $-1$  is



4

A ship sits in the sea.

The base of the ship is 5 m below sea level.

The top of the ship is 11 m above sea level.

How tall is the ship?

5

Complete the number sentences.

a)  $-3 + 5 =$

b)  $1 - 4 =$

c)  $-4 + 4 =$

d)  $-1 - 3 =$

e)  $3 - 5 =$

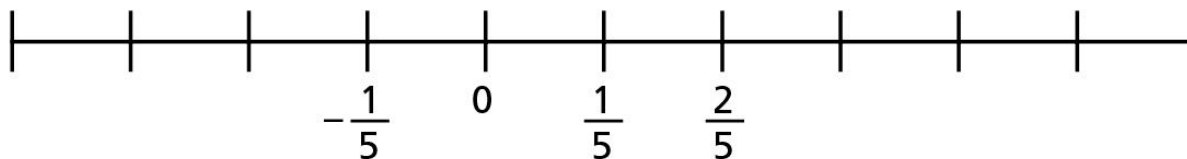
f)  $-1 - 4 =$

g)  $-4 - 4 =$

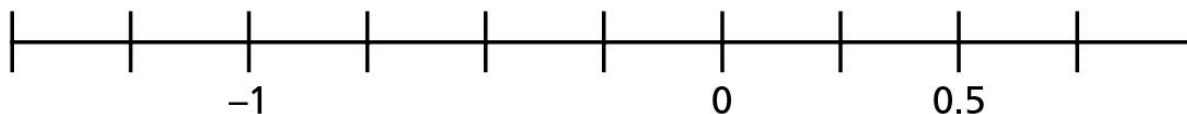
h)  $-1 + 3 =$

**6** Complete the number lines.

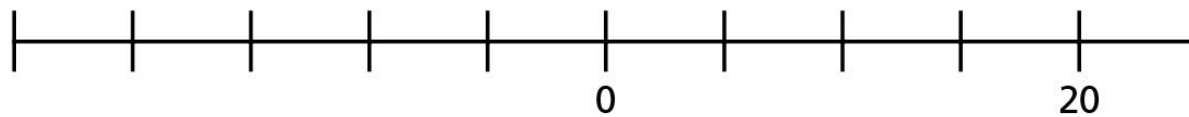
**a)**



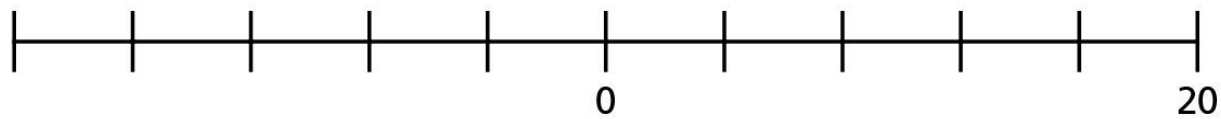
**b)**



c)



d)

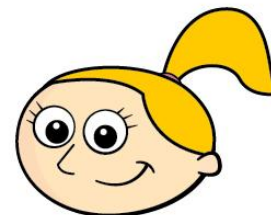


7

Dexter and Eva are playing a game.

They each choose 2 cards and add up their total points.

The winner is the person with the highest total.

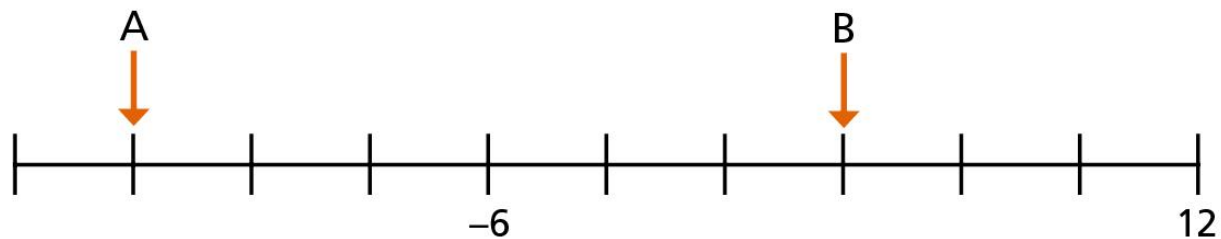
 $-12$  $7$  $-9$  $12$ 

Who has won the game and by how many points?

---

---

8 Work out the values of A and B.



$$A = \boxed{\phantom{00}} \quad B = \boxed{\phantom{00}}$$

Complete the calculations.

$$A + B = \boxed{\phantom{00}}$$

$$A - B = \boxed{\phantom{00}}$$