

Negative Numbers – Purple Chilli



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

Leeds	Barcelona	Chicago	Sydney
-5°C	7°C	-8°C	16°C

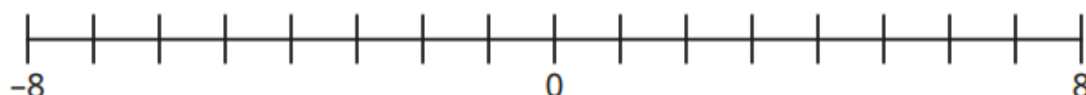
- a)** How many degrees colder is it in Barcelona than Sydney?
- b)** How many degrees warmer is it in Leeds than Chicago?
- c)** How many degrees colder is it in Leeds than Sydney?
- d)** What is the difference between the temperature in Barcelona and Chicago?
- e)** The temperature in Leeds increases by 4°C .
What is the new temperature?
- f)** The temperature in Chicago decreases by 3°C .
What is the new temperature?

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?

Work out the calculations.



- | | | | |
|--------------------|--------------------|--------------------|--------------------|
| a) $-3 + 5$ | c) $-4 + 4$ | e) $3 - 5$ | g) $-4 - 4$ |
| b) $1 - 4$ | d) $-1 - 3$ | f) $-1 - 4$ | h) $-1 + 3$ |

Dexter and Eva are playing a game.

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

The winner is the person with the highest total.



Dexter

-12

7

-9

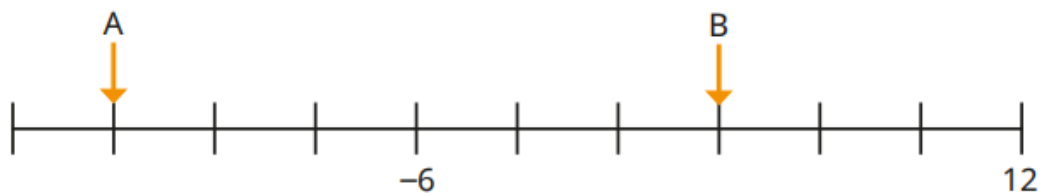
12



Eva

Who has won the game and by how many points?

Here is a number line.



a) Work out the values of A and B.

b) Work out the calculations.

$$A + B$$

$$A - B$$

True or False? Explain your answer...

32 , 22 , 12 , ... , ...



The next two numbers in the sequence are 2 and -2