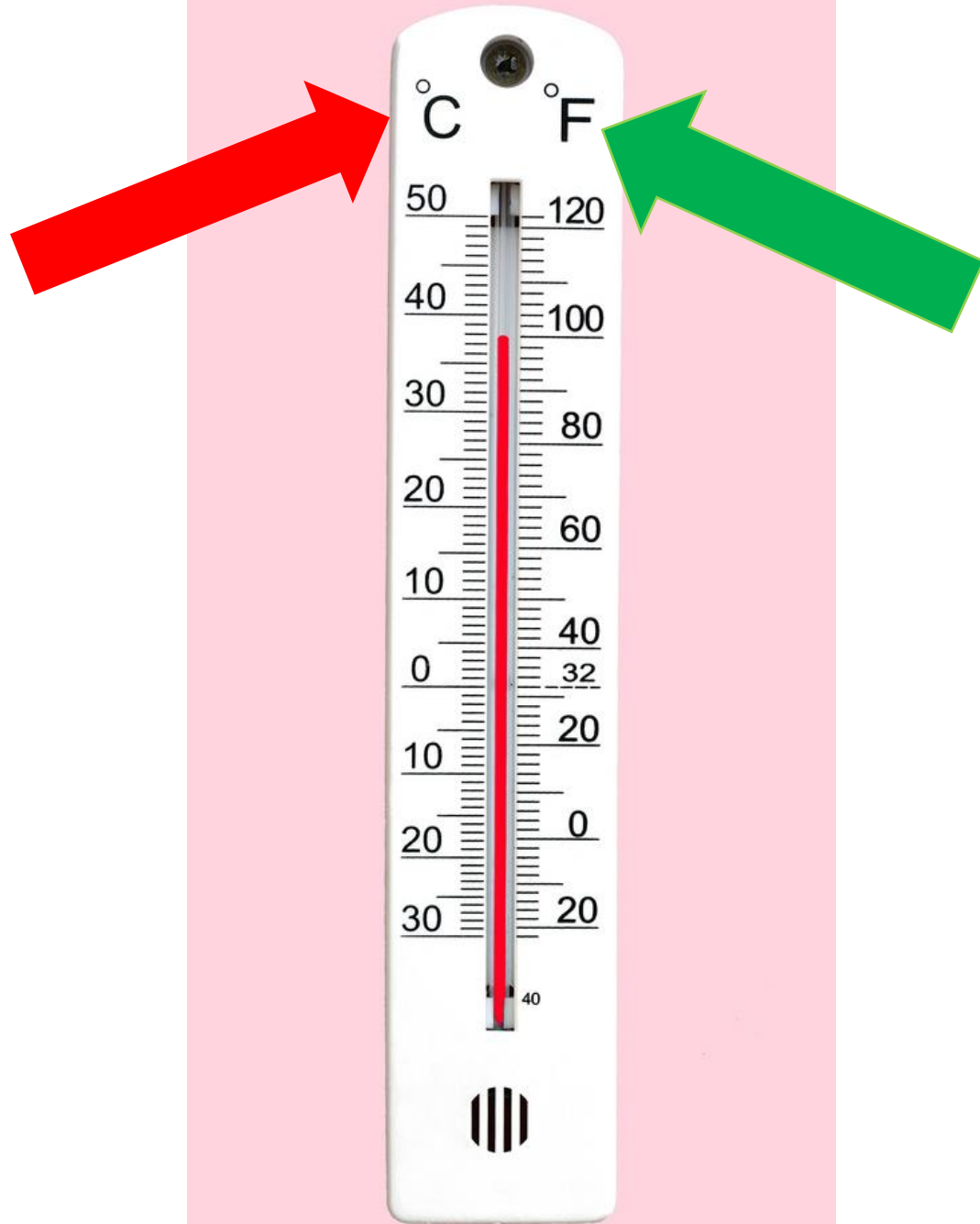




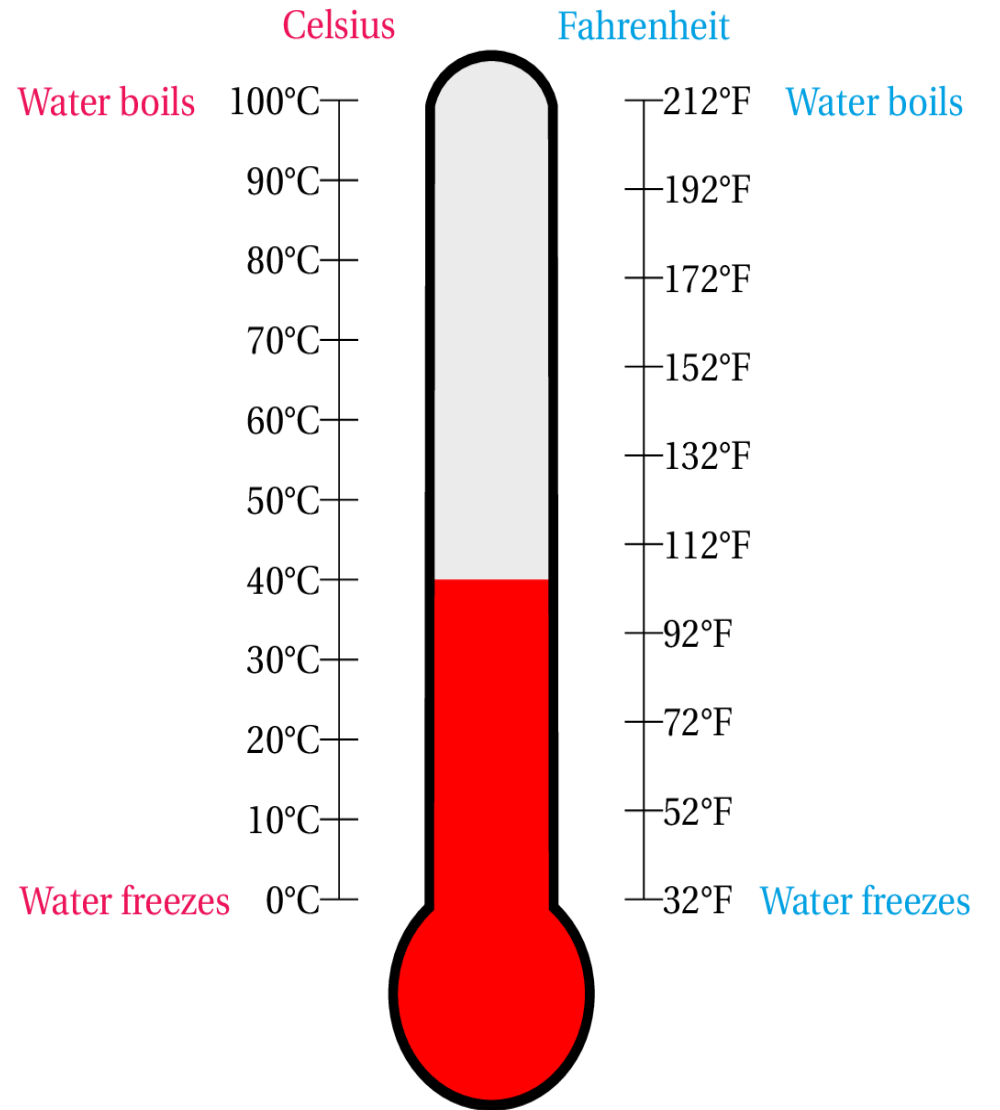
Name the arrows.



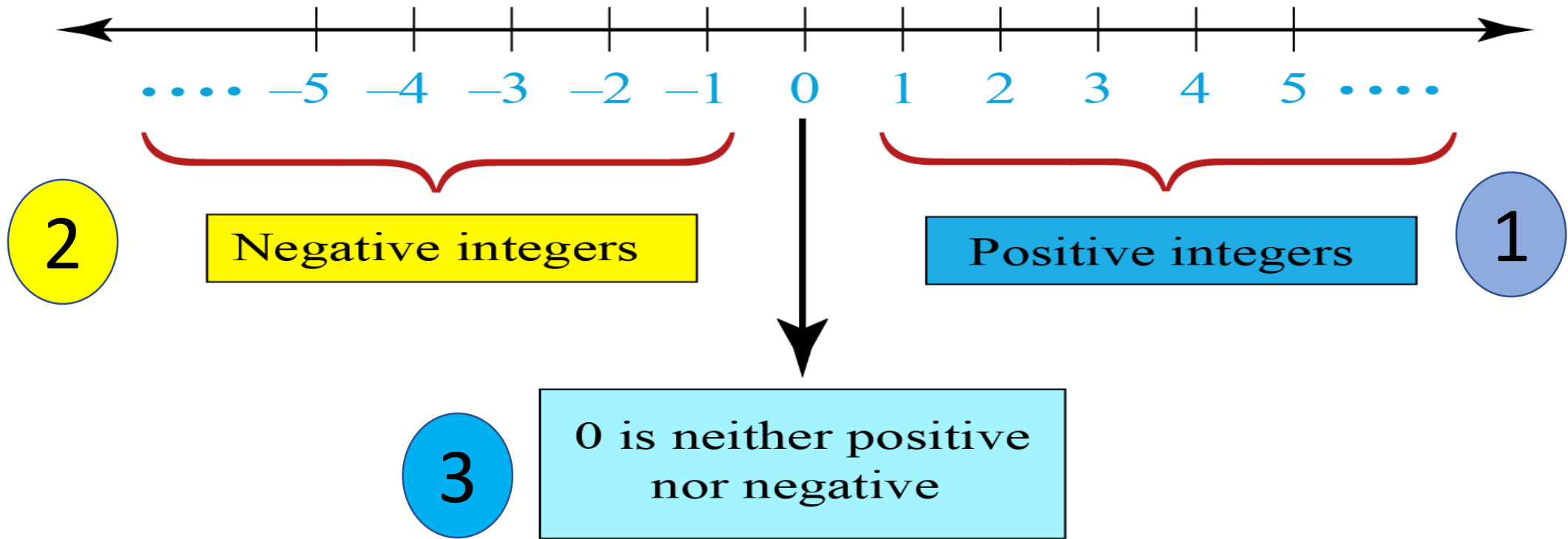
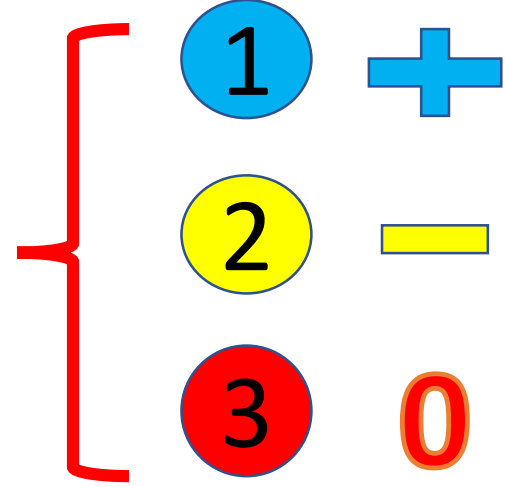
What's the temperature?

$20^{\circ}C$  /  $0^{\circ}C$  /  $-4^{\circ}F$  /  $32^{\circ}F$

Say the boiling and freezing temperatures of water on Celsius and on Fahrenheit.

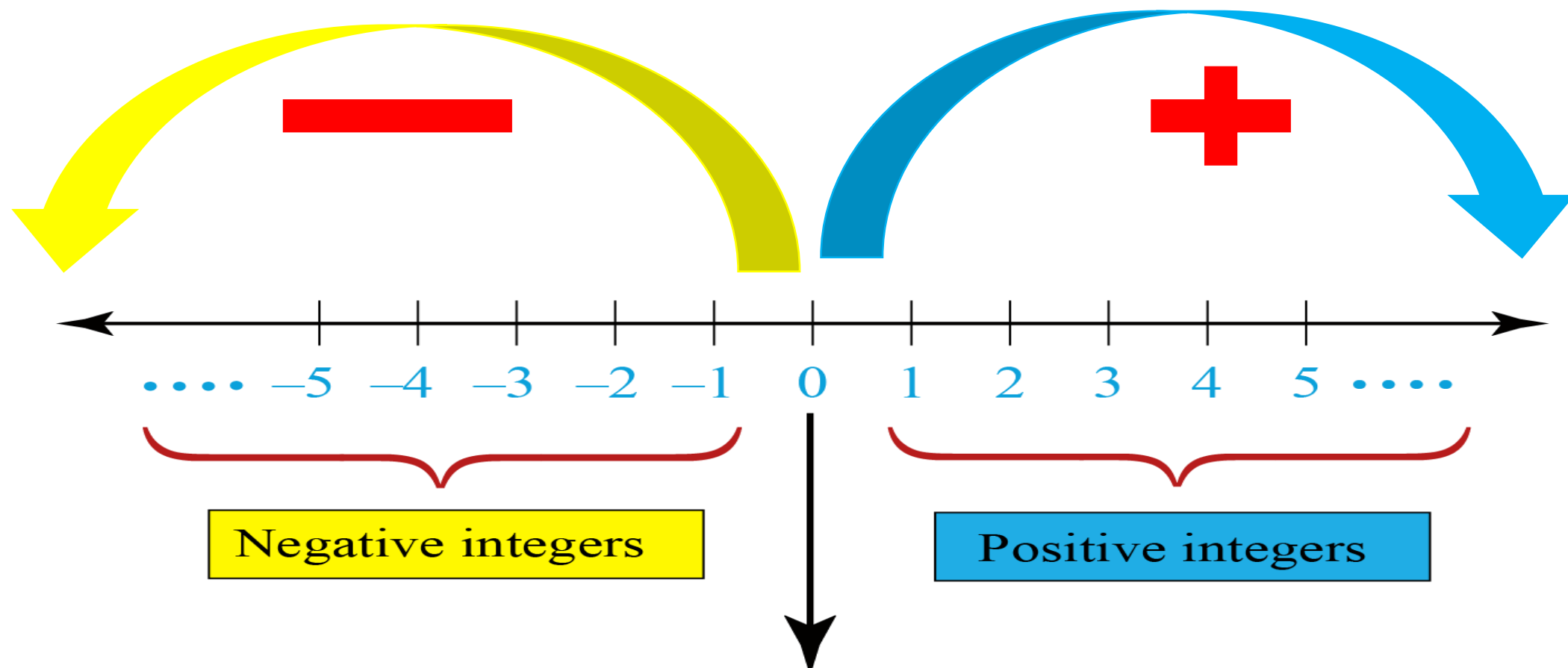


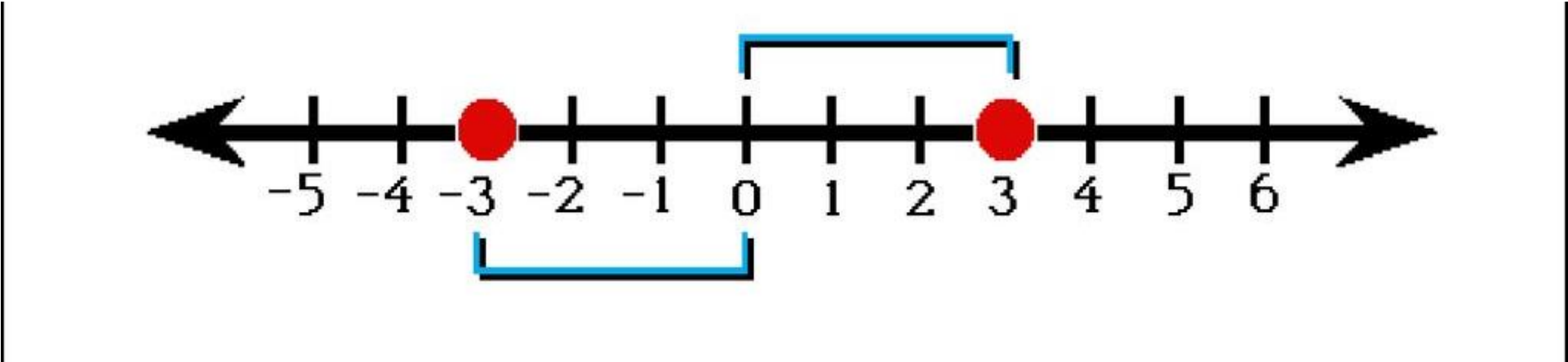
# What's an integer?



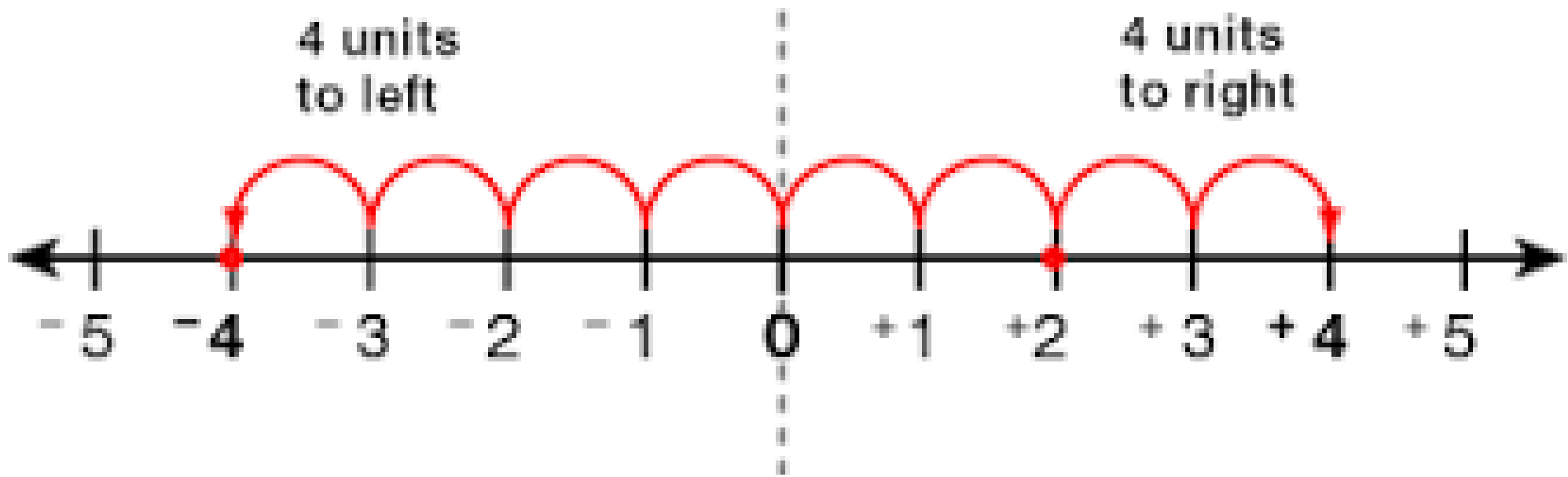
numbers before 0

numbers after 0





-3 and 3 are **opposite** integers.



-4 and 4 are **opposite** integers.



What are **the opposite integers** of these numbers?

12

- 3.5

- 10

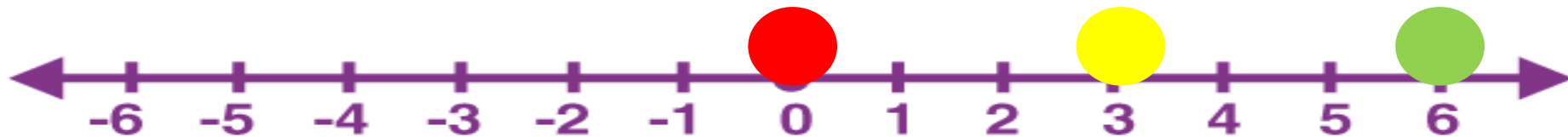
52

# Let's compare positive integers.

$$5 > 3 > 0$$

Which integer the smallest?  
Which integer is the greatest?

from left to right,  
the smallest ....the greatest



# Let's compare negative integers.

$$-6 < -3 < -1$$

Which integer the smallest?  
Which integer is the greatest?

from left to right,  
the smallest ....the greatest



1. The table below shows the minimum temperature on four days. Write the temperatures in order, starting with the coldest temperature.

Day	Temperature $^{\circ}\text{C}$
Monday	-2
Tuesday	1
Wednesday	3
Thursday	-4



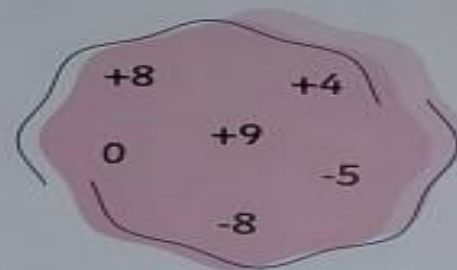
Write each set of temperatures in order, starting with the coldest temperature.

- a)  $-4^{\circ}\text{C}$   $1^{\circ}\text{C}$   $-8^{\circ}\text{C}$   $-2^{\circ}\text{C}$   $3^{\circ}\text{C}$   
 b)  $-2^{\circ}\text{C}$   $4^{\circ}\text{C}$   $-7^{\circ}\text{C}$   $-13^{\circ}\text{C}$   $13^{\circ}\text{C}$   
 c)  $6^{\circ}\text{C}$   $-6^{\circ}\text{C}$   $0^{\circ}\text{C}$   $-7^{\circ}\text{C}$   $-4^{\circ}\text{C}$

2. Look at the integers in the box.

a) Which integers are:

- i) greater than 0?  
 ii) between  $-3$  and  $+3$ ?  
 iii) greater than  $-10$  and less than  $-5$ ?  
 iv) less than  $+1$ ?



b) What other questions can you ask about these integers?

Write down your questions and answer them.

3. Order the integers in each set from least to greatest.

a)  $+5, -5, +4, +2, -2$       b)  $+8, -12, +10, 0, -10$

c)  $+41, -39, -41, -15, -25$       d)  $+1, -1, +2, -2, +3$

4. Order the integers in each set from greatest to least.

a)  $-7, +8, -9, +10, -11$       b)  $+8, -12, +10, 0, -10$

c)  $0, +1, +2, -1, -2$       d)  $+14, -25, -30, +3, -10$

5. On January 16, 2008, these temperatures were recorded in Canada.

Place	Temperature	Place	Temperature
Lethbridge, AB	$-16^{\circ}\text{C}$	Iqaluit, NU	$-29^{\circ}\text{C}$
La Ronge, SK	$-27^{\circ}\text{C}$	Dawson City, YT	$-26^{\circ}\text{C}$
Hay River, NWT	$-29^{\circ}\text{C}$	Prince George, BC	$-6^{\circ}\text{C}$
Campbell River, BC	$0^{\circ}\text{C}$	Ste. Rose du Lac, MB	$-17^{\circ}\text{C}$

Which place was the warmest? The coldest? How did you find out?

