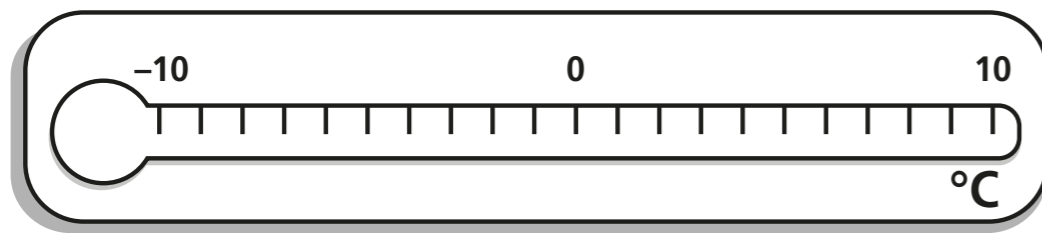


# Order directed numbers using lines and appropriate symbols

1 a) Mark where these temperatures are on the thermometer.

-8°C      7°C      2°C      -5°C



b) Write the temperatures in order from hottest to coldest.

\_\_\_\_\_

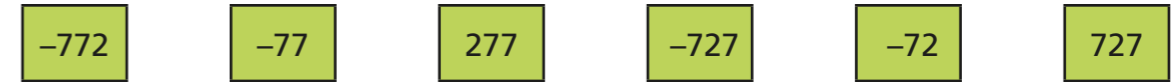
2 Write  $<$ ,  $>$  or  $=$  to complete the statements.

You may use the number line to help you.



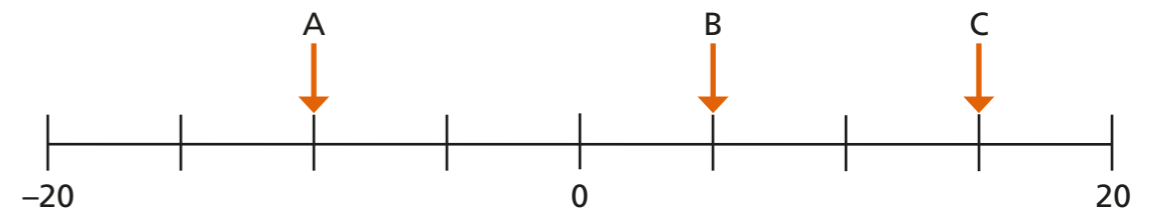
- |                     |                        |
|---------------------|------------------------|
| a) $-1 \bigcirc 1$  | f) $-6 \bigcirc 7$     |
| b) $2 \bigcirc -2$  | g) $0 \bigcirc -8$     |
| c) $4 \bigcirc -5$  | h) $-18 \bigcirc -8$   |
| d) $-4 \bigcirc 5$  | i) $-26 \bigcirc -226$ |
| e) $-6 \bigcirc -7$ | j) $-26 \bigcirc 22$   |

3 Write these numbers in ascending order.



Compare methods with a partner.

4 Here is part of a number line.



a) Write three numbers greater than B but less than C.

, ,

b) Write three numbers between -20 and A.

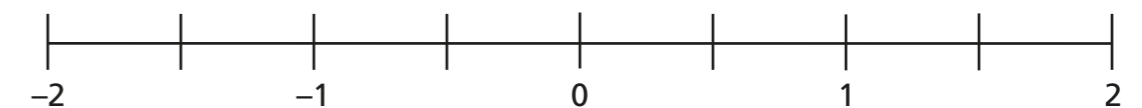
, ,

c) Write three numbers less than zero but greater than A.

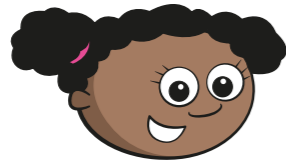
, ,

5 Label these numbers on the number line.

$-\frac{1}{4}$       0.5      -1.25       $1\frac{3}{4}$       -0.75       $1\frac{1}{2}$



6



-7.5 is  
greater than -7 as  
7.5 is more  
than 7

Explain why Whitney is incorrect.

You could use a number line to help you explain.

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7

Here are five numbers.

-200

-200.2

0

0.2

-20

a) Which number is the greatest?

b) Which number is the smallest?

8

Write < or > to complete the statements.

a)  $-2.4 \bigcirc -2$        $2.4 \bigcirc -2$        $-2.4 \bigcirc 2$

b)  $17.25 \bigcirc -17.05$        $-17.25 \bigcirc -17.05$        $-17.25 \bigcirc 17.05$

c)  $-101.3 \bigcirc 101.31$        $101.3 \bigcirc -101.31$        $-101.3 \bigcirc -101.31$

9

Five numbers are written in ascending order.

-7

-4

-3

7

What could the 4th number be? Can you find more than one answer?

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Compare answers with a partner.

10

Write the missing digits to make the statements correct.

a)  $-7.5 > -7.\_5$

$-7.5 < -7.\_5$

b)  $-6.\_.\_ < -\_1.23$

$-6.\_.\_ > -\_1.23$

c)  $-7.3\_\_ < -7.\_3 < -\_\_.37 < -6.\_3 < -\_\_.7\_\_$

How many different answers can you find?

11

The table shows the melting points of some elements.

Element	Melting point (°C)
Fluorine	-219.6
Neon	-248.59
Sodium	97.72
Magnesium	650
Hydrogen	-259.14
Boron	2,075
Carbon	3,550
Nitrogen	-210.1
Oxygen	-218.3

a) Which element has the lowest melting point? \_\_\_\_\_

b) Write the elements in order, from lowest melting point to highest melting point.

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