



Exercise Your Brain

Warm Up Grade 7

Sept. 15,



1) Order the integers from least to greatest

-2, +8, +5, -7, -9

-9, -7, -2, +5, +8

2) Given -4, +5, -6, 0, which numbers are greater than -3? How do you know?

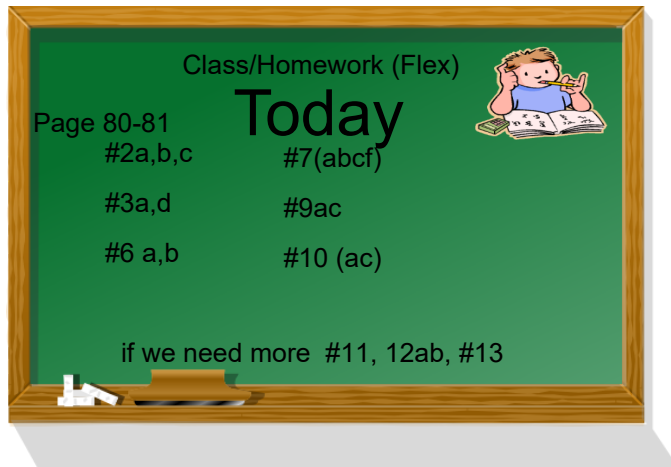
$$\textcircled{-3} < 0, +5$$

3) Use $>$, $<$ or $=$ in the blank

a) -7 $<$ $+3$
Bigger
(have \$3)

b) $+3$ $>$ $+6$
Big

c) -1 $>$ -5
Bigger



Homework Solutions

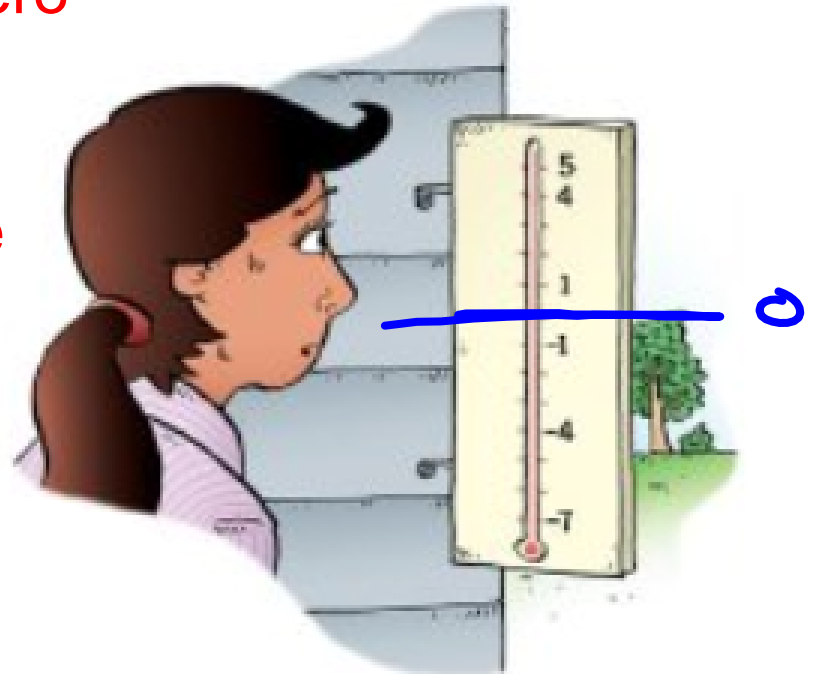
on next page circled

2. Six temperature markings are shown on the thermometer.
- a) Which temperatures are greater than 0°C ? 1°C , 4°C , 5°C
 - b) Which temperatures are less than 0°C ? -4°C , -7°C
 - c) Which temperatures are opposite integers? $+1^{\circ}\text{C}$ & -1°C ,
How do you know? $+4^{\circ}\text{C}$ & -4°C

Equal distance from zero

or

opposite integers have
the same number but
different sign



3. Which integer is greater? How did you find out?

a) $+4, +3$

$+4$

b) $+4, -3$

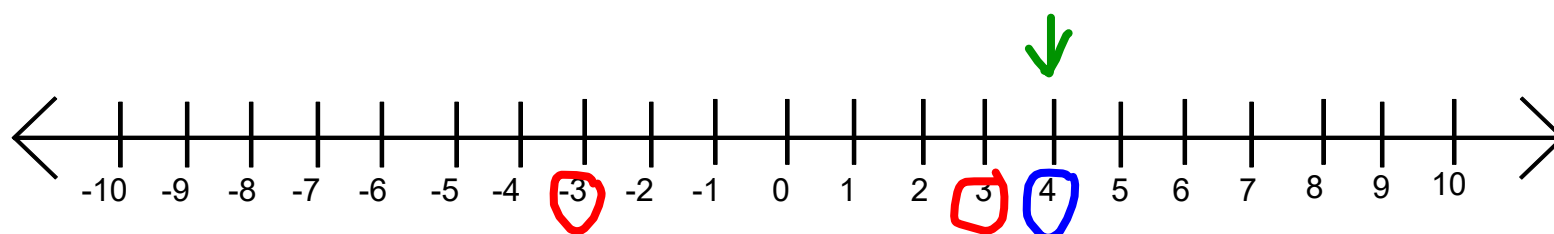
$+4$

c) $-4, +3$

$+3$

d) $-4, -3$

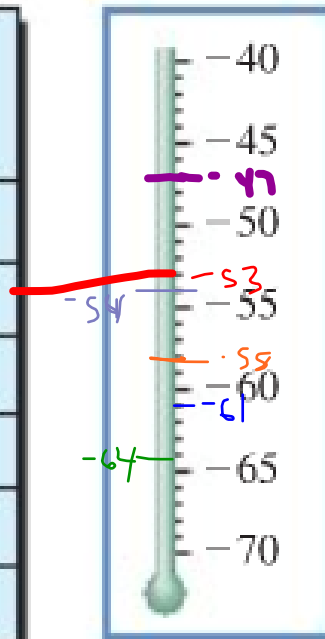
-3



6. This table shows the coldest temperatures ever recorded in 6 provinces and territories.

- a) Draw a thermometer like the one shown.
Mark each temperature on it.

Province/ Territory	Coldest Temperature (°C)
Alberta	-61
Manitoba	-53
Nova Scotia	-47
Nunavut	-64
Ontario	-58
Quebec	-54



Dog Sledding in Nunavut

- b) Order the temperatures in part a from least to greatest.
How can you use your thermometer to do this?

-64, -61, -58, -54, -53, -47

You can use the thermometer by seeing the smallest number is on the bottom and integers get larger as you move up

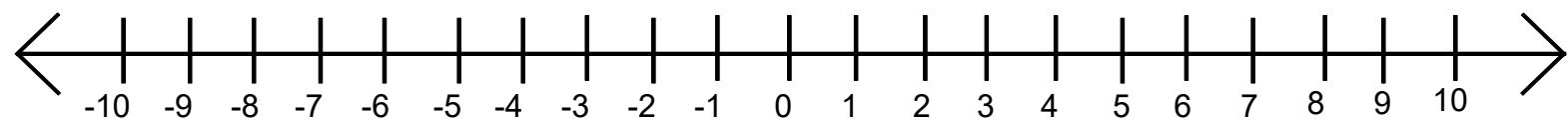
7. Copy and complete by placing $<$, $>$, or $=$ between the integers.
Then, use a number line to verify your answer.

- a) $+5$ $+10$
- b) -5 -10
- c) $+5$ 5
- d) -6
- e) -5
- f) 10 -11
- g) -8
- h) -8

$<$

$>$

$=$



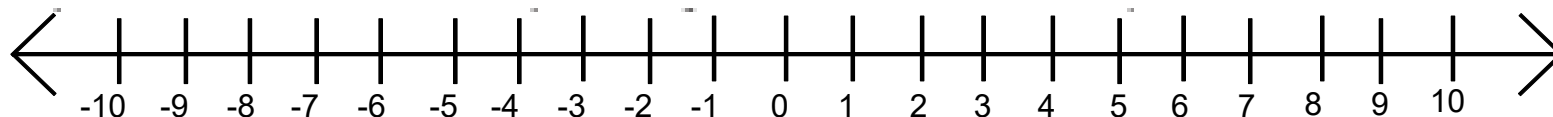
9. Order the integers in each set from least to greatest.

a) $+5, -5, +4, +2, -2$

b) $-8, -12, +10, 0, -10$

c) $+41, -39, -41, -15, -25$

d) $+1, -1, +2, -2, +3$



a) $-5, -2, +2, +4, +5$

c) $-41, -39, -25, -15, +41$

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

a) $-7, +8, -9, +10, -11$

b) $-18, 16, -11, -4, +6$

c) $0, +1, +2, -1, -2$

d) $+14, -25, -30, +3, -10$

10a) $+10, +8, -7, -9, -11$

10c) $+2, +1, 0, -1, -2$

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

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

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

↓
Campbell
River
BC

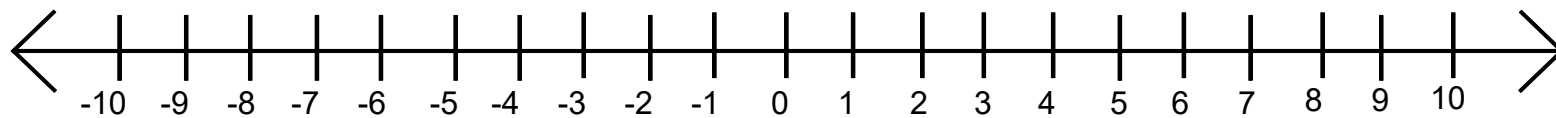
↓ Hay River
Iqaluit

12. a) Which of these integers are greater than -6 ? How do you know?

-3 , $+2$, -7 , -5

b) Which of these integers are less than -3 ? How do you know?

$+2$, -11 , $+3$, -2 , -4



13. You know that 8 is greater than 3. Explain why -8 is less than -3 .

-8 is 8 units to the left of 0 while -3 is only 3 units away from zero

1) Do we need another ? put in <, > or =

a) $7 > -5$
Bigger

b) $+10 > -2$
Bigger

c) $+4 = 4$

d) $-3 < -1$
Bigger

#2) Now put all the numbers in order from greatest to least. (Decending)

#1 ~~$(7, -5, +10, -2, +4, 4, -3, -1)$~~

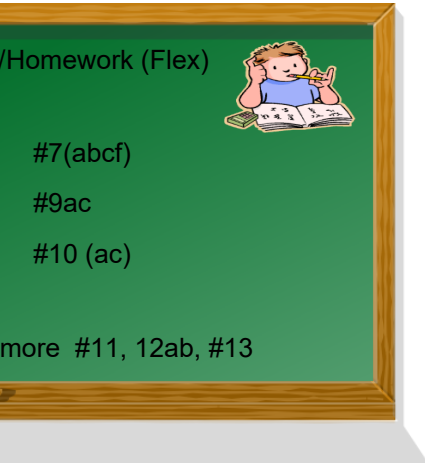
Answer

$(+10), (+7), (+4), (-1), (-2), (-3), (-5)$

Class/Homework

Finish

PG 80-81 #7abcf, 9ac, 10ac, 11, 12ab, 13



Then
Worksheet

I have it printed out