

Practice

1. Copy each number line. Fill in the missing integers.



2. Six temperature markings are shown on the thermometer.

- a) Which temperatures are greater than 0°C ?
- b) Which temperatures are less than 0°C ?
- c) Which temperatures are opposite integers?

How do you know?



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

a) $+4, +3$

b) $+4, -3$

c) $-4, +3$

d) $-4, -3$

4. Mark each set of integers on a number line.

Use the number line to order the integers from least to greatest.

a) $+5, +13, +1$ b) $-3, -5, -4$ c) $+4, -2, +3$

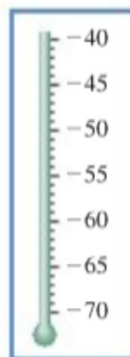
5. Use a number line. Order the integers in each set from greatest to least.

- a) $+4, +1, +8$ b) $-7, -5, -3$ c) $0, +4, -4$

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?

7. Copy and complete by placing $<$, $>$, or $=$ between the integers.

Then, use a number line to verify your answer.

a) $+5 \square +10$

b) $-5 \square -10$

c) $+5 \square 5$

d) $-6 \square 0$

e) $-5 \square -4$

f) $10 \square -11$

g) $-8 \square -4$

h) $-8 \square -8$



8. Look at the integers in the box.

a) Which integers are:

i) greater than 0?

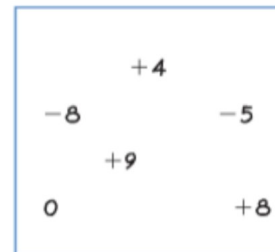
ii) between -3 and $+3$?

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.



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

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

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?

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 .