The Primary Stage of Grades (4-5)
School Year 2022 - 2023

Name: Key
Date: / / 2022

Subject: Mathematics
Class: 4CP (C,D,E,F&G)

Worksheet (2)

Objective/s: Be able to

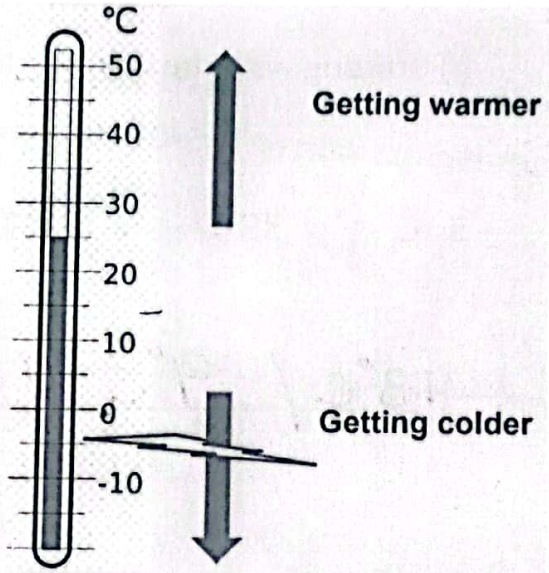
Multiply and divide whole numbers by 10 or 100 or 1000.
Order and compare negative and positive numbers on a number line and temperature scale.
Calculate a rise or fall in temperature

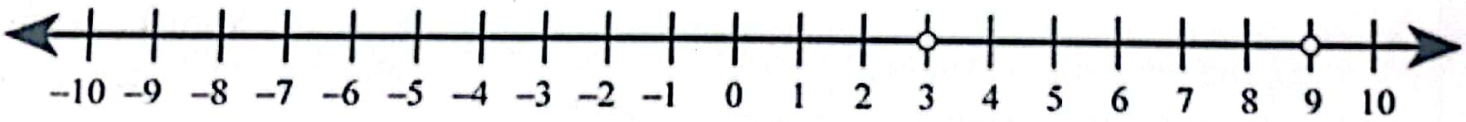
Temperature scale

By going **up** the temperature gets **warmer**

By going **below zero** the temperature gets **colder** we use negative numbers

Thermometer is the same idea as number line





Negative numbers that are closer to Zero have greater Values.

1) Order the following temperatures

a) starting with the coldest.

2°C -21°C - 7 °C -8°C

Coldest: -21°C / -8°C / -7°C / 2°C

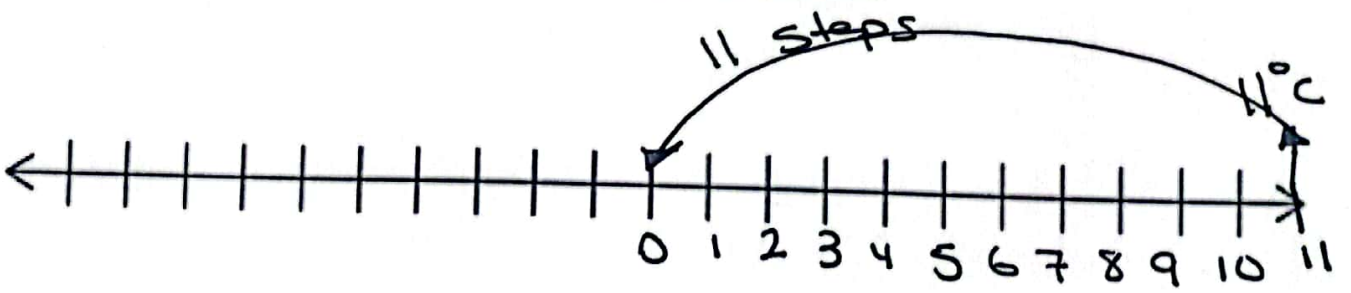
b) starting with the warmest.

- 3 °C 13°C - 12 °C 9°C

13°C / 9°C / -3°C / -12°C

2) Calculate the new temperature by drawing a number line for each:

a) The temperature During the day in a city is 11°C. During the night it cools down backwards by 11°C. The temperature at night is 0°C

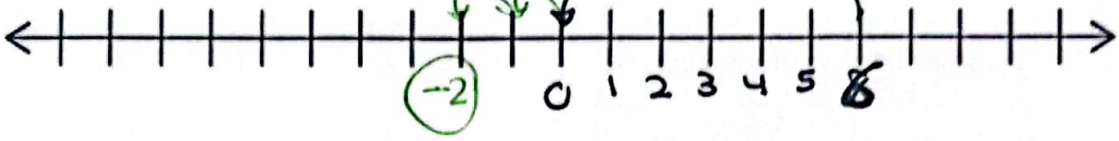


falls / cools down

b) The temperature is 6◦C and it **decreases** by 8◦C. The new temperature is

-2°C

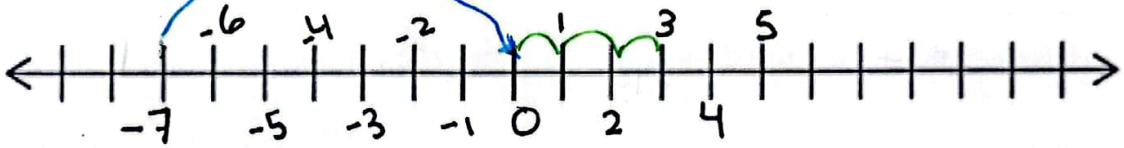
8 = 2 + 6 steps back



rise / warmer

c) The temperature is -7◦C and it **increases** by 10◦C. The new temperature is 3°C

7 steps forward + 3 = 10



3) Use this information to fill in the table below showing the temperatures in 6 months' time: **Choose 2 Cites ONLY**

Initial temperature:

Toronto: 7°C	New York: 9°C	Harare: 0°C	Dubai: 13°C
Auckland: -2°C	Reykjavik: -7°C	Tokyo: 4°C	Helsinki: -3°C

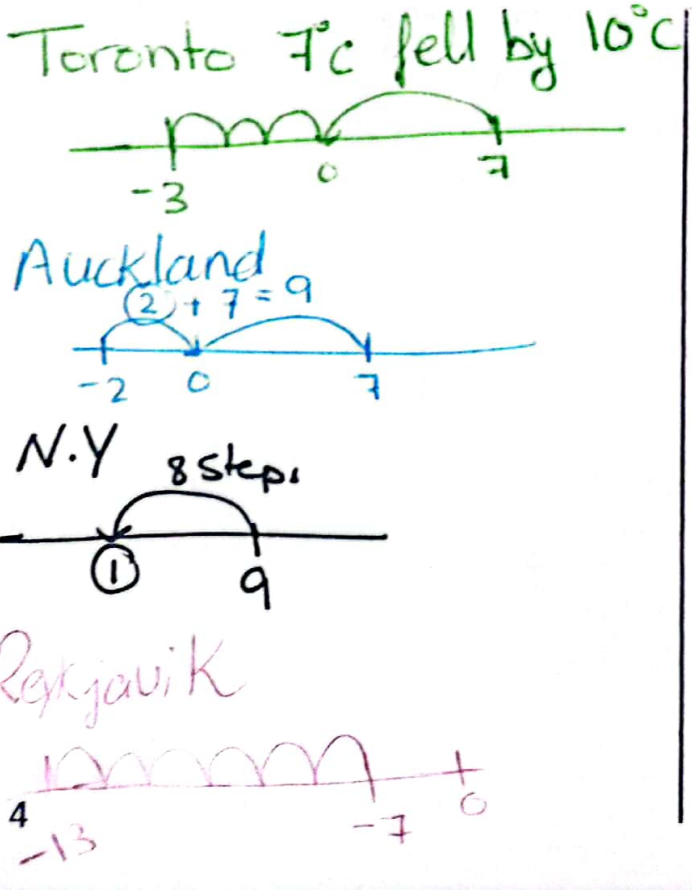
After six months Temperature

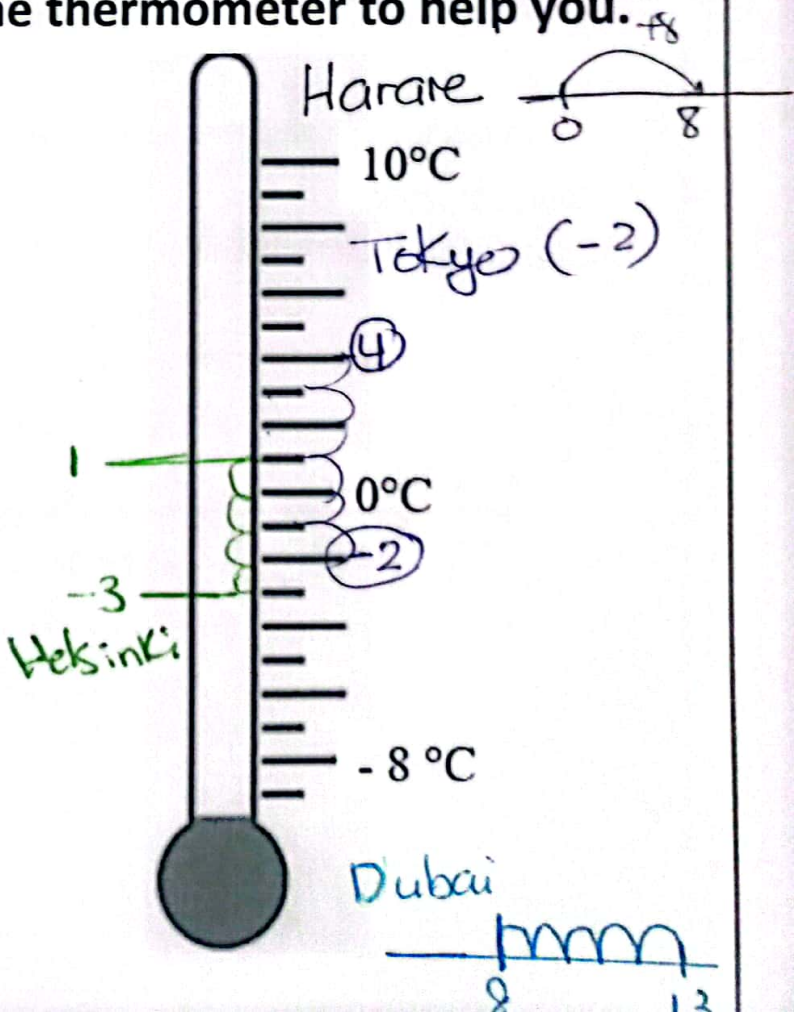
Toronto: fell by 10°C	New York: fell by 8°C	Harare: rose by 8°C	Dubai: fell by 5°C
Auckland: rose by 9°C	Reykjavik: fell by 6°C	Tokyo: fell by 6°C	Helsinki: rose by 4°C

Toronto: -3 °C	New York: 1 °C	Harare: 8 °C	Dubai: 8 °C
Auckland: 7 °C	Reykjavik: -13 °C	Tokyo: -2 °C	Helsinki: 1 °C

You can use number line or the thermometer to help you.

(show your work)





DIVIDE & MULTIPLY BY 10 or 100 or 1000

when you multiply a number by 100, the number gets 100 times greater. So the digits will move **two places** to **the left.**

263 x100 = 26300

Ten thousands	Thousands	Hundreds	Tens	Ones	
		2	6	3	This
2	6	3	0	0	Becomes This

when you divide a number by 10, the number gets 10 times smaller. So the digits will move **one places** to **the right.**

5840 ÷10= 584

Thousands	Hundreds	Tens	Ones	
5	8	4	0	This
	5	8	4	Becomes This

3) Solve the following:

a) 582000 ÷ 100 = 5820

b) 240000 ÷ 1000 = 240

c) 4700 x 100 = 470000

d) 4000 ÷ 50 = 80

e) 240 ÷ 80 = [3]

f) 30 × 70 = [2100]

g) 130000 ÷ 100 = 1300

130 × 100 = 13000

h) 6088700 × [10] = 60887000

i) 506 × 10000 = 5060000

506 × 1 = 506

j) 59800 ÷ [100] = 598

598 ÷ 598 = 1

4) Complete using m,mm or m,mmm or correct operation to make the following statements true.

a) 6001000 [÷] [1000] = 6001 (smaller)

b) 774000 [×] [10] = 7740000 (larger)

c) 90076000 [÷] [10] = 9007600 (smaller)

d) 8000599 [×] [100] = 800059900 (larger)