

Booklet 6

Answer Key

Negative and Positive Numbers

1) Write an integer to represent each situation:

a) 65 degrees above zero: $+65$

b) A loss of \$15: -15

c) 57 meter below sea level: -57

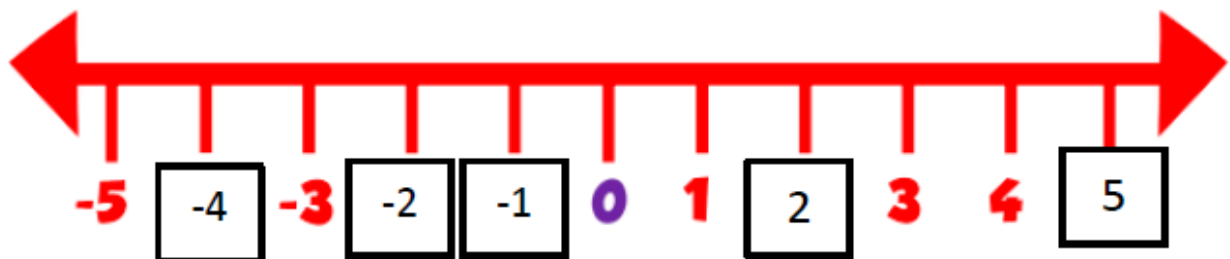
d) 2nd floor under ground: -2

e) A gain of 7 kg: $+7$

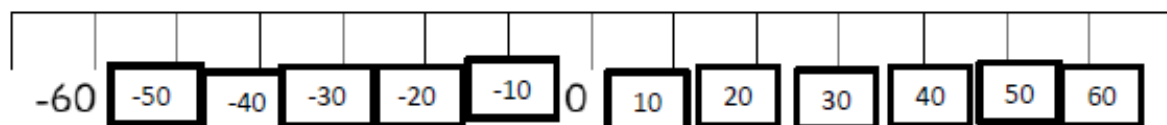
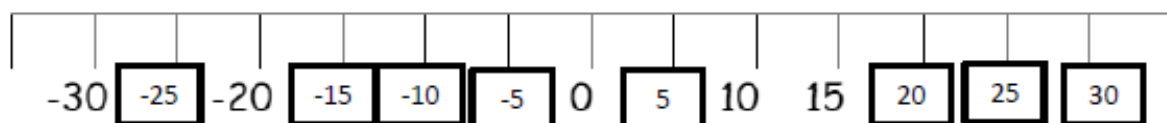
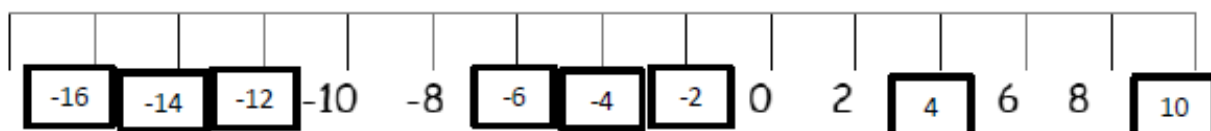
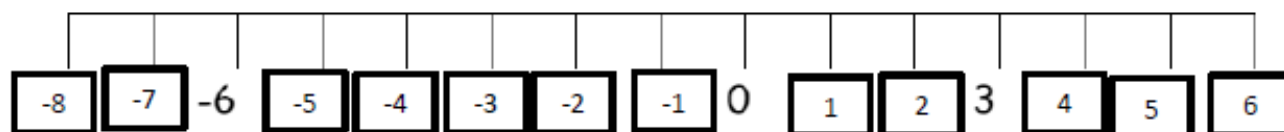
f) The sea level: 0

2) Write the missing numbers on this number line in the boxes

:



3) Complete these number lines:



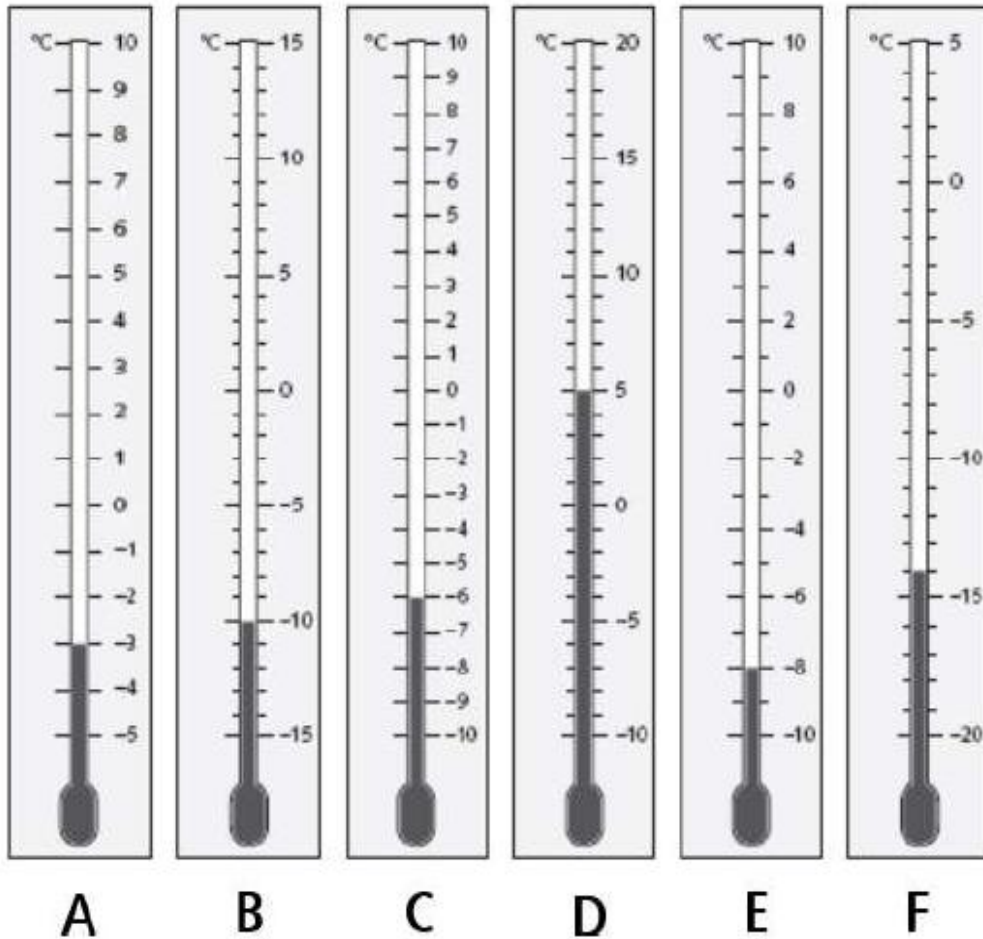
4) Label the below integers on the number line.

2 , -2 , 9 , -5 , 11



5) Look at thermometers A to F above.

What is the temperature shown on each thermometer?



A: -3°C

B: -10°C

C: -6°C

D: 5°C

E: -8°C

F: -14°C

6) Compare using ($>$, $<$ or $=$)

$$-12 \boxed{>} -16$$

$$-10 \boxed{<} -1$$

$$-15 \boxed{<} 15$$

$$0 \boxed{<} 8$$

$$-5 \boxed{<} -3$$

$$32 \boxed{>} -12$$

$$0 \boxed{>} -9$$

$$4 \boxed{>} -4$$

7) Order each set of integers from largest to smallest:

a) **1 , -2 , 0 , -3 , 5 , -5**

5 , 1 , 0 , -2 , -3 , -5 .

b) **-4 , 3 , -2 , 1 , 8 , -3**

8 , 3 , 1 , -2 , -3 , -4 .

c) **-10 , 10 , -7 , -4 , 8 , 0**

10 , 8 , 0 , -4 , -7 , -10 .

8) Write these temperatures in order from **coldest** to **warmest**.

4°C	-3°C	-5°C	2°C	1°C
_____	_____	_____	_____	_____
coldest				warmest

Solution: -5 , -3 , 1 , 2 , 4

Q9)

1. 7 degrees warmer than -3°C °C

2. 3 degrees colder than 1°C °C

3. 5 degrees warmer than -6°C °C

4. 4 degrees higher than -6°C °C

5. 3 degrees higher than -3°C °C

6. 6 degrees colder than 0°C °C

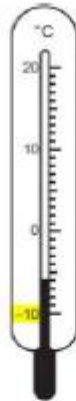
10) The temperature in Amman was 5°C .

At night the temperature dropped by 8°C .

What was the lowest night-time temperature?

-3

- 11) What is the temperature on this thermometer?



Answer is : -6

- 12) Here is a diagram showing an iceberg.

Part of the iceberg is above sea level and part is below sea level.

Write the missing number in the box on the number line.

