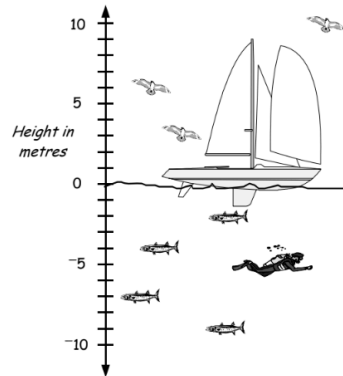


Task 5

A new 6 storey office block has been built, with two additional levels below ground level.

- How would you label the floors of this building. G = ground floor.
- If Miri was on the 2nd floor and goes down 3 floors, which floor would she be at?
- If Rangi was two floors below the ground floor and goes up 5 floors, which floor would he be on?



This diagram shows a sailing ship, a diver, some birds and some fish. The sea level is at zero on the scale drawn.

- How high is the mast above the sea level?
- State** the height of each bird above the sea level as positive numbers.
- State** the depth of the 4 fish below sea level as negative numbers.
- State** the depth of the diver below sea level as a negative number.

A bird is flying 4 metres above the sea, then drops 7 metres straight down.

- State** the depth the bird reaches below the surface of the sea, as a negative number.

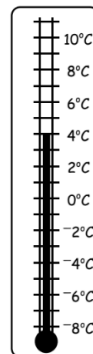


The temperature scale is one of the most commonly used scales that uses negative numbers, especially when recording maximum and minimum daily temperatures.

- What is the temperature on this diagram of a thermometer?

Use the thermometer scale to **calculate** the new temperatures after the following changes ...

- Starting temperature 7°C , drops 5°C
- Starting temperature 2°C , rises 5°C
- Starting temperature 5°C , drops 9°C
- Starting temperature 3°C , drops 10°C
- Starting temperature -2°C , rises 7°C
- Starting temperature 0°C , drops 8°C
- Starting temperature -1°C , drops 6°C
- Starting temperature -6°C , rises 9°C
- Starting temperature 4°C , drops 10°C
- Starting temperature -3°C , drops 5°C
- Starting temperature -8°C , rises 6°C
- Starting temperature -6°C , rises 6°C



Task 5

-