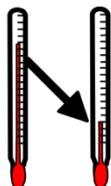
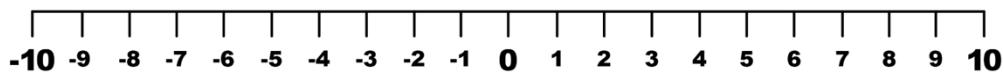


NUMBER: NUMBER AND PLACE VALUE

NC. Objective: To interpret negative numbers in context; round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000; recognise years written as Roman numerals.

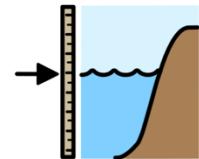
1. In Sicilia, the temperature fell to -6°C overnight. By midday it had risen to -2°C .

a) By how many degrees did the temperature rise? Use the number line below to help you.
b) Was the temperature ever above 0°C ? How do you know?



2. During the storm, the sea level dropped to -5m below the harbour wall, then later rose to 2m .

a) By how many meters did the sea level rise?
b) Draw a number line to show the change in sea level from -5m to 2m . Label the start and end points clearly.



3. The palace counted 684,372 snowflakes falling in one hour. Round this number:

a) to the nearest 10.
b) to the nearest 100.
c) to the nearest 1,000.
d) to the nearest 10,000.
e) to the nearest 100,000.



4. The journey across the frozen land was 917,486 steps long. Round this number:

a) to the nearest 10.
b) to the nearest 100.
c) to the nearest 1,000.
d) to the nearest 10,000.
e) to the nearest 100,000.



5. Ancient records in the palace library show important years from the kingdom.

*The first great
Winter Festival:
MDCCXLII*

*The creation of
Hermione's statue:
MDCXCIV*

*The life-changing
winter storm:
MDCCCV*

a) Write these years in numerals.
 b) For each of these years, how many years ago were these events from the year 2026?

6. King Leontes kept a secret winter journal in which he recorded three important events.

- The year of the great snowfall: MDCCCXIV
- Three days of winter temperatures:
 - Wednesday: -23°C
 - Thursday: -9°C
 - Friday: 4°C
- The number of candles used in the palace: 905,784



a) Write the year of the great snowfall in numerals.
 b) How much did the temperature increase from Wednesday to Friday?
 c) Round the number of candles to the nearest: 10,000 and 100,000.

7. While walking through the palace gardens, Florizel carefully counted the winter flowers growing near the palace walls.

He recorded:

- MDCXCIX as the year the garden was first planted
- 612,438 white roses
- 287,964 blue violets



a) Write the year the garden was first planted in numerals.
 b) Estimate the total number of flowers in the garden by rounding each flower count to the nearest 100,000 then adding the rounded numbers.