

COMPARING TWO WINTER MORNINGS

- 1 Place -5 and -2 on the number line.
- 2 See that -5 sits further left than -2.
- 3 So -5 is smaller: write $-5 < -2$.
- 4 The town at -5°C is colder.

 WARM-UP

Use the blank number line to mark and compare the temperatures.



1. Mark -2, -6 and -9 on the number line
2. Mark 0, +1 and +2 on the same line
3. Circle the leftmost mark and write which of -6 or -2 is smaller

 PRACTICE

- 1 One frosty morning a mountain village reads -9°C and a seaside town reads -1°C . Which reading is the smaller number?
- 2 Two ski resorts check their thermometers: one shows -10°C and the other -6°C . Which number is bigger?
- 3 At dawn the lake is 0°C and the forest path is -4°C . Which temperature is the smaller number?
- 4 A spring thaw brings $+1^{\circ}\text{C}$ to the valley while the high pass stays at -5°C . Which number is bigger?
- 5 During a cold snap one weather station records -8°C and another records -3°C . Which reading is smaller?
- 6 Late autumn gives the coast $+2^{\circ}\text{C}$ while inland it is still -7°C . Which number is the bigger one?

ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

- a. A negative number is smaller than a positive number.
- b. -15 is bigger than -12 .
- c. The number further left on the number line is the smaller number.
- d. Two negative numbers are equal.