

Solutions

Marking: **M1** a correct method, **A1** the correct answer.

Each answer shows the steps, then the **result**.

2.1

- change each to a decimal: $\frac{2}{3} = 0.667$, $\frac{5}{8} = 0.625$

$$\mathbf{0.6, 0.62, \frac{5}{8}, \frac{2}{3}}$$

2.2

- -7 lies to the right of -9 on the number line

$$-7 > -9$$

2.3

- $\frac{3}{8} = 0.375$ and $0.375 < 0.4$

$$\frac{3}{8} < 0.4$$

2.4

- $\leq$ includes -3 , but $<$ excludes 2

$$\mathbf{-3, -2, -1, 0, 1}$$

3.1

- decimals: $\frac{3}{8} = 0.375$, $37\% = 0.37$, $\frac{2}{5} = 0.4$

$$\mathbf{37\%, \frac{3}{8}, 0.38, \frac{2}{5}}$$

3.2

(a)

- the more negative the temperature, the colder it is

$$\mathbf{-8, -3, -0.5, 0, 5}$$

(b)

- -8 lies further left than -3

$$-8 < -3$$