

Negative Numbers

Advanced — ANSWER KEY

Chains, jumps, and distances.

Think: Distance between two numbers = the big one minus the small one (subtracting a negative adds).

1. Answers with the thinking.

- 1) On a number line, how far apart are -1 and 12 ? **13**

↳ $distance = 12 - (-1)$

- 3) The temperature changed from -9°C to 2°C . By how many degrees did it RISE? **11**

↳ $2 - (-9)$

- 5) Compute: $1 - 18 + 9 = ?$ **-8**

↳ left 18, then right 9

- 7) On a number line, how far apart are -1 and 3 ? **4**

↳ $distance = 3 - (-1)$

- 9) Compute: $(-5) \times 3 = ?$ **-15**

↳ 3 jumps of -5

- 11) Compute: $1 - 13 + 3 = ?$ **-9**

↳ left 13, then right 3

- 2) The temperature changed from -2°C to 12°C . By how many degrees did it RISE? **14**

↳ $12 - (-2)$

- 4) The temperature changed from -11°C to 4°C . By how many degrees did it RISE? **15**

↳ $4 - (-11)$

- 6) On a number line, how far apart are -7 and 4 ? **11**

↳ $distance = 4 - (-7)$

- 8) The temperature changed from -10°C to 4°C . By how many degrees did it RISE? **14**

↳ $4 - (-10)$

- 10) Compute: $1 - 16 + 13 = ?$ **-2**

↳ left 16, then right 13

- 12) The temperature changed from -10°C to 3°C . By how many degrees did it RISE? **13**

↳ $3 - (-10)$