

Year 6: NUMBER - Number and place value

Use negative numbers in context and calculate intervals across zero

- 1) The temperature is -6°C . It falls by **7 degrees**. What is the temperature now?
- 2) The temperature is -12°C . It rises by **3 degrees**. What is the temperature now?
- 3) The temperature in Alaska is -18°C . The temperature in Sweden is -2°C . How many degrees higher is the temperature in Sweden than in Alaska?
- 4) The temperature in Britain is 3°C . The temperature in Alaska is -18°C . What is the difference in temperatures between Britain and Alaska?
- 5) Jayden had a target long jump of **300 centimetres**. He recorded each of his **7** attempts above and below his target as follows:

3 cm, -2 cm, 0 cm, 4 cm, -3 cm, -1 cm, 2 cm
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- a) How far did he jump in his longest jump?
- b) How far did he jump in his shortest jump?
- c) How many more centimetres was his longest jump than his shortest jump?
- d) Jayden's 8th jump was **9 cm** shorter than his longest jump. How far was his 8th jump?