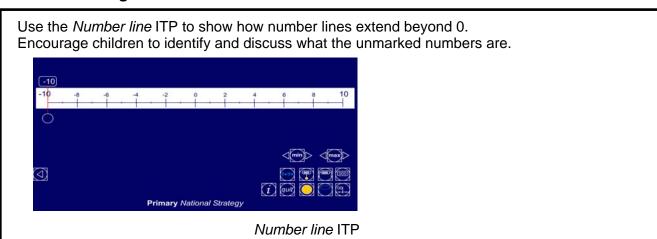
Can I position positive and negative numbers on a number line and find the difference between them?

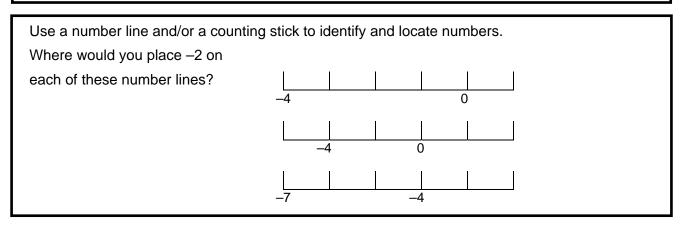
Teaching guidance

Key vocabulary

positive, negative, above zero, below zero, degrees Celsius (°C), minus, difference, integer, interval, number line, order

Models and images





Use a thermometer or the *Thermometer* ITP to look at negative numbers within a context.

| Thermometer or the *Thermometer* ITP to look at negative numbers within a context.

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Overcoming barriers in mathematics – helping children move from level 3 to level 4

Teaching tips

- Give children a range of opportunities to position positive and negative numbers on number lines. This could include the use of practical washing lines, counting sticks and individual number lines.
- Make sure that children experience number lines in different orientations.
- Use a range of counting activities with different starting points and step sizes to emphasise that counting continues beyond zero. Use number lines to show the relative position between pairs of negative numbers and to demonstrate that –4 is less than –2.
- Help children to use the benchmark numbers on a number line to determine the position of other numbers on that number line.
- Help children to make connections between using benchmark numbers on a number line and reading the scale on a thermometer.
- Use negative numbers in other contexts, for example, 'A diver is below the surface of the water at -30 m. He goes up 12 metres, then down 4 metres. Where is he now?'

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