

Find the Midway point on this number line

Find the Midway point - Overview

The spreadsheet can be used to develop skills of finding the midpoint between two numbers. The middle number can be hidden, and the level of challenge can be increased by changing the start and finish numbers. Children often have experience of finding 'common' halfway points, for example between 0 and 100: this flexible spreadsheet provides the opportunity to extend reasoning skills and calculation strategies through setting unfamiliar start and finish points.

Find the Midway point - How to use

This spinner will change the end number on this number line. It can also be changed by typing a number into cell H3

This spinner will change the start number on this number line. It can also be changed by typing a number into cell B3.

Hide and reveal buttons will hide or reveal the value of the midway point. The answer will be revealed in cell E3

Use the cover ups to hide the start number or end number.

Find the Midway point - Key Questions

- What is the mid point on this number line? How did you work it out?
- What could my start and end numbers be changed to if I want the mid point to remain the same? How do you know?
- Reveal the mid point and the end number. What is the start number How did you work it out?
- Reveal the mid point and the start number. What is the end number How did you work it out?
- If the mid – point is revealed, can we work out the start and end numbers? Why? What do we know about these numbers?