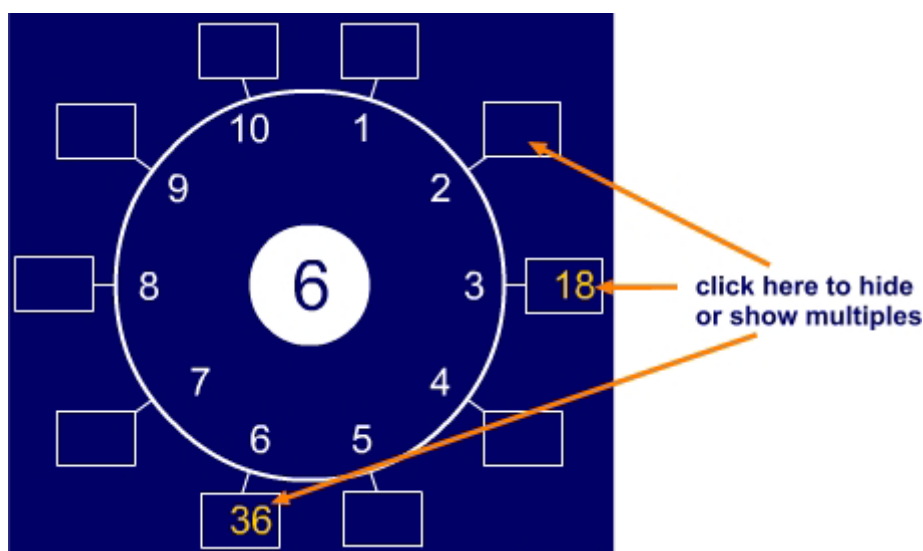


Number dials

This ITP generates a number dial. The empty boxes around the outside of the dial contain multiples, the number in the centre multiplied by the corresponding multipliers around the inside edge of the dial. To reveal and hide the number at the centre, click on it or the box with the two pointers. To reveal and hide each multiple, click on the box. To reveal and hide all multiples, click on the box with ?. To reveal and hide all multipliers, click on the box with the dial. You can change the centre number to a single digit in the range 2 to 9, a multiple of 10 from 10 to 90, and to a decimal 0.1 to 0.9. The single dice button generates a random centre number; all numbers bar the multipliers are hidden. The double dice button also reorders the multipliers around the inside edge of the dial and all the numbers are hidden. The ITP can be used to practise multiplying by one- and two-digit numbers and decimals. Hiding different sets of numbers on the dial promotes reasoning and explanation.

The ITP can also be used to practise the recall of division facts and use of these number facts to generate other facts. Setting the numbers on the dial in a context also provides opportunity for problem solving.



Click on the up and down pointers to increase or decrease the number in the centre of the dial.



Click here to hide or show the multiples around the outside edge of the dial.



Click here to generate a random number within the chosen range in the centre of the dial - and hide it.



Click here to select the range of the numbers in the centre of the dial.

Choose either:
2 – 9
10 – 90
0.1 – 0.9



Click here to hide the numbers around the inside edge of the dial.



Click here to generate a random number within the chosen range in the centre of the dial, and to mix up the order of the numbers around the inside edge of the dial - and hide all the numbers.