



# The NRICH Maths Roadshow is coming!



A day of puzzles, games and hands-on activities to train your creative mathematical brain.

The NRICH Roadshow will be here on:

## Shape Times Shape

$$\begin{array}{rcl} \text{purple square} \times \text{purple square} \times \text{purple square} & = & \text{yellow crescent} \\ \text{cyan rectangle} \times \text{cyan rectangle} & = & \text{green star} \\ \\ \text{purple square} \times \text{orange oval} & = & \text{yellow crescent} \\ \text{purple square} \times \text{purple star} & = & \text{blue hexagon} \\ \\ \text{cyan rectangle} \times \text{orange oval} & = & \text{red circle} \\ \text{cyan rectangle} \times \text{yellow diamond} & = & \text{cyan rectangle} \\ \\ \text{cyan rectangle} \times \text{purple square} & = & \text{green triangle} \\ \text{yellow diamond} \times \text{blue hexagon} & = & \text{blue hexagon} \\ \\ \text{green triangle} \times \text{purple square} & = & \text{red circle} \\ \text{purple square} \times \text{red inverted triangle} & = & \text{red inverted triangle} \\ \\ \text{purple square} \times \text{purple square} & = & \text{orange oval} \\ \text{red inverted triangle} \times \text{yellow crescent} & = & \text{red inverted triangle} \end{array}$$

The coloured shapes stand for eleven of the numbers from 0 to 12. Each shape is a different number.

Can you work out what they are?