

Objective: Perform mental calculations involving all four operations and use estimation to check answers to calculations and determine, in the context of the problem.

Year 6 Task:

This task is taken from the NRich website and can be used with children to support their developing knowledge of solving calculations using mental strategies. Included on the website are worked solutions and tips on how to get started. Follow the link to find the task:

<https://nrich.maths.org/5633>

Four Go

Age 7 to 11 ★★

Draw a number line on a piece of paper, marked from 0 to 20, like this:



(You could print off [this sheet](#) which has several number lines drawn on it.)

This challenge is a game for two players. The first player chooses two numbers in this grid and either multiplies or divides them.

100	25	5	
10	2	36	÷
12	4	3	×

He or she then marks the answer to the calculation on the number line. The second player then chooses two numbers and either \times or \div , and marks that number in a different colour on the number line.

If the answer is too big or too small to be marked on the number line, the player misses a go.

The winner is the player to get four marks in a row with none of their opponent's marks in between.