

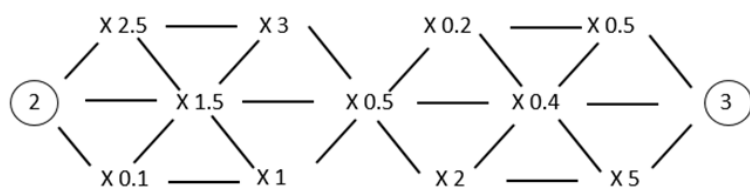
## A-Maze-ing



### CALCULATOR CRUNCH

Start with the number 2 on your calculator.

Find a route through the grid, travelling only once along a line, so that you end up with a 3 on your display.



**Is there only one way to do it? How can you be sure?**

**Can you go back from right to left, starting with 3 and finishing with 2?**

My solution:

2 x

= 3

### Aim of the game

To work your way across the maze doing the calculations and ending up with the answer 3 on your calculator.

Start with 2 and do the 3 possible first calculations.

$$2 \times 2.5 =$$

$$2 \times 1.5 =$$

$$2 \times 0.1 =$$

What do you notice?

Does multiplication always make the answer bigger?

This activity is all about thinking about what happens when you multiply by less than 1. If you multiply by less than 1 then you will have less than 1 times what you started with, and so the answer will be smaller.

## How to play

Use the calculator to work your way across the maze in a way that you end up with the answer 3 after your last step.

My solution:

$2x$

$=3$

## Top Tip

Choose your next step by thinking about whether you need to make your answer bigger or smaller.