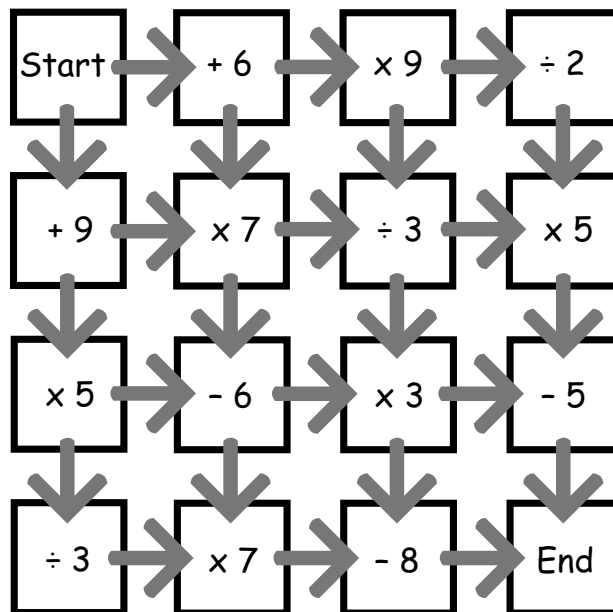


Mental Maths Challenge (no calculators):

Maze

Start with zero.

Find a route from 'Start' to 'End' that totals 100 exactly.



Which route has the highest total?

Which has the lowest total?

Now try some different starting numbers.

Show your workings out below: (e.g. +6 x7 -6... and so on)

HINT: There are 2 routes that total 100 exactly

Answers:

There are two routes that total 100 exactly:

$$+6 \times 7 - 6 \times 3 - 8 = 100$$

$$+9 \times 7 \div 3 \times 5 - 5 = 100$$

The route giving the highest total is:

$$+9 \times 7 - 6 \times 7 - 8 = 391$$

The route giving the lowest total is:

$$+6 \times 7 \div 3 \times 3 - 8 = 34$$