

# ENP Maths Challenge



Try these puzzling problems. No calculators!

Question 1 is easier than Question 2.

## Week 43

### Question 1

What is 50% of 0.5?

- A 0.1      B 0.25      C 0.55      D 0.75      E 1

### Question 2

There is a group of islands, and every island is connected to all the other islands by a bridge. None of the bridges cross.

What is the largest possible number of islands?

- A 3      B 4      C 5      D 6      E 7

### Answers to last week's puzzle

Question 1

E

Question 2

Imagine each cow needs 1 bucket of feed per day.

At the start, he must have  $5 \times 8 = 40$  buckets

After two days, they have eaten  $5 \times 2 = 10$  buckets. So there are 30 buckets left

Two cows remaining, so the feed will last  $30 \div 2 = 15$  days.