

MORE WITHOUT WORDS

Mathematical Puzzles to Confound and Delight



MWW 6: SOLUTION

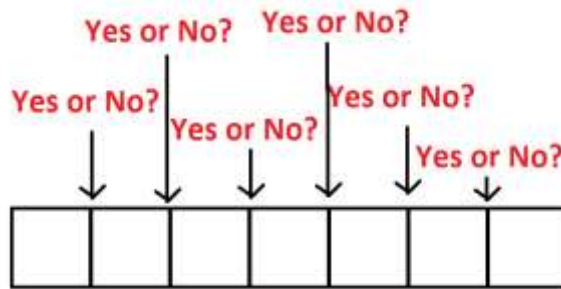
□□□□□ 16

□□□□□□ 32

□□□□□□□ 64

There are 16 ways to break a strip five sections long into pieces, 32 ways for a strip six units long, and 64 ways to break a strip seven sections long. To see why:

For a strip seven unit long there are six possible break points. And we have choices- to break at the first point – yes or no? At the second point – yes or no? All the way down to the sixth point- yes or no?



This gives a total of $2 \times 2 \times 2 \times 2 \times 2 \times 2 = 64$ options.