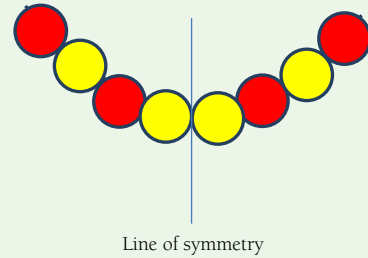# Fun Maths Puzzles

Level 1

Lolly Shop

At the lolly shop there were three types of lollies. You can buy 10 lollies in all. What could you buy?

Level 2

Symmetrical necklaces

I want to make necklaces with coloured beads having a symmetrical pattern.

Line of symmetry

How many different necklaces can you make with 8 beads, four of one colour and four of another?

If you had nine beads, four of one colour and five of another colour, how many different necklaces could you make?
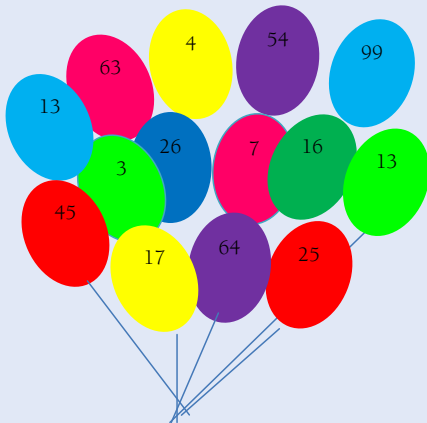
What if you had 11, 12 or 13 beads?

From www.nrich.maths.org

Level 3

Balloon Pop!

Pop the balloons with numbers divisible by 9, square numbers and prime numbers.

4
54
63
99
13
26
7
16
3
13
45
17
64
25

Which balloon is left?

From www.mathsphere.co.uk

Level 4

Sharing the land

If the land area of the world was shared equally between the population of today, how much land would each person get?

If only the productive land areas were shared, how much would each person get?

From www.planetseed.com