**Level 1**

Tina is learning a repeating dance routine. It goes stomp, clap, snap, stomp, clap, ....

What will the next three actions be?
What is the 10th action Tina will do?

**Level 2**

The blue triangle is below the purple star and to the right of the brown circle.
Write other sentences describing where some shapes are located in the table.

**Level 3**

Kim wants to buy exactly $3.00 worth of beads to make a necklace for her mum. There are three sorts of bead, each with a different price. Kim wants:

- the necklace to begin and end with a pink bead
- a repeating pattern
- more purple beads than pink or green beads

Is it possible to design such a necklace?

25c bead 10c bead 5c bead

Source: http://www.dupagechildrensmuseum.org/aunty/challenge.html

**Level 4**

Can you find the code rule?
If:

2 + 3 = 10
7 + 2 = 63
6 + 5 = 66
8 + 4 = 96

Then:
9 + 7 = ?????