

**Week 3: Logic Shape Puzzles 27 04 2020**

*The puzzles are in order of difficulty with key information in bold and, some clues in colour to help you.*

*Drawing might help you solve the puzzles or making a grid of the information.*

**Puzzle 1: Three in a row**

There are 3 shapes in a row.  
What are they and what colour?

- The **cube** is in the **middle**.
- The **pink** shape is not the **pyramid**.
- The **red** shape is next to the **pyramid**.
- The **cone** is **not blue**.
- There are **2 possible solutions**.

**Puzzle 2: Tower of 6**

You need **2 red** cubes, one each of **green, blue, yellow** and **brown** cubes/ Lego bricks/ any building bricks or you can draw the cubes.

- Build or draw a **tower of 6 cubes**.
- The **blue** cube is **directly below** a **yellow** cube.
- One **red** cube has **only one** other **cube** touching it.
- **Both red** cubes are **below** the **brown** cube.
- The **green** cube is **above** the **yellow** cube.
- The **green** cube is **between** the **two red** cubes.

**Puzzle 3: Squares and Circles**

There are 2 rows of shapes.



- **Red** is **not next** to **grey**.
- **Blue** is **between** white and **grey**.
- **Green** is **not a square**.
- **Blue** is **above pink**.

**Puzzle 4: Four Friends**

Four friends each have a different 3-D shape.  
Can you find out what shape, who has it and what colour it is?

- **Jo, Sam, Pat and Eva** are the names of the friends.
- **One** of the shapes is a **cube**.
- **One** shape is **red**.
- **Eva's** shape is a **cone** but it is **not blue**.
- **Jo's** shape is **yellow** but it is **not a sphere**.
- **Pat's** shape is **not the green** cylinder.