

Week 3: Logic Shape Puzzles Answers 27 04 20

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.

Two Solutions:

Pink cone, **red** cube, **blue** pyramid or
Blue pyramid, **red** cube or **pink** cone.

Puzzle 2: Tower of 6

You need 2 red cubes, one each of green, blue, yellow and brown cubes/ Lego bricks/ any building bricks.

- Build 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.

Tower from bottom to top is:

Red, blue, yellow, green, red, brown.

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.

Top Row : White, blue, grey
Second Row: Red, pink, green

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.

Sam – green cylinder

Jo – yellow cube

Eva – red cone

Pat – blue sphere