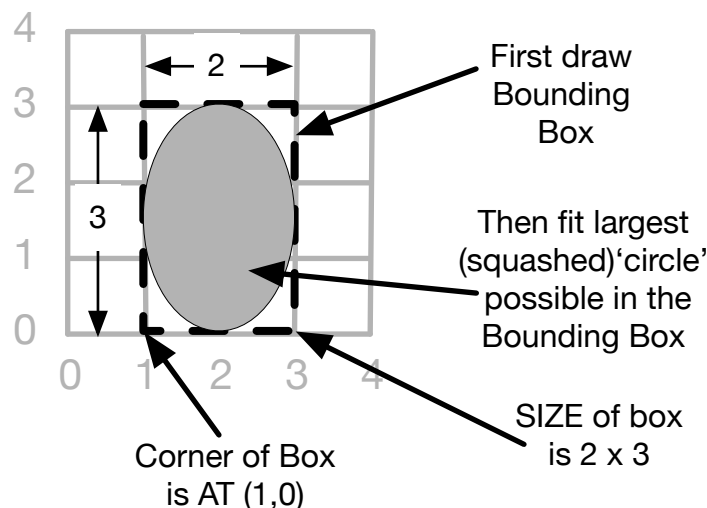## Egypt Vector Collage Puzzle 1 (Ready Coloured Version)

In this puzzle you follow the instructions to create a collage picture from a collection of shapes. Cut out each of the shapes provided and stick them in the right position on the gird.

Each instruction tells you where to place a single shape. It gives the shape, its colour, the number of squares along the bottom of the grid to go to place it (the x coordinate of the bottom left corner), the number of squares up the side to go (the y coordinate of the bottom left corner) and the size. Some shapes are placed on top of others, to obscure the colour below, so the order matters.

The position and size are for the '**bounding box**' of the shape. It is just the rectangle that the shape fits in. First lightly draw the bounding box (a rectangle). Place inside it the largest given shape that fits. Some shapes like circles or semi-circles are stretched to fit in the bounding box. For example, if a circle's bounding box is not square then a squashed circle is used.
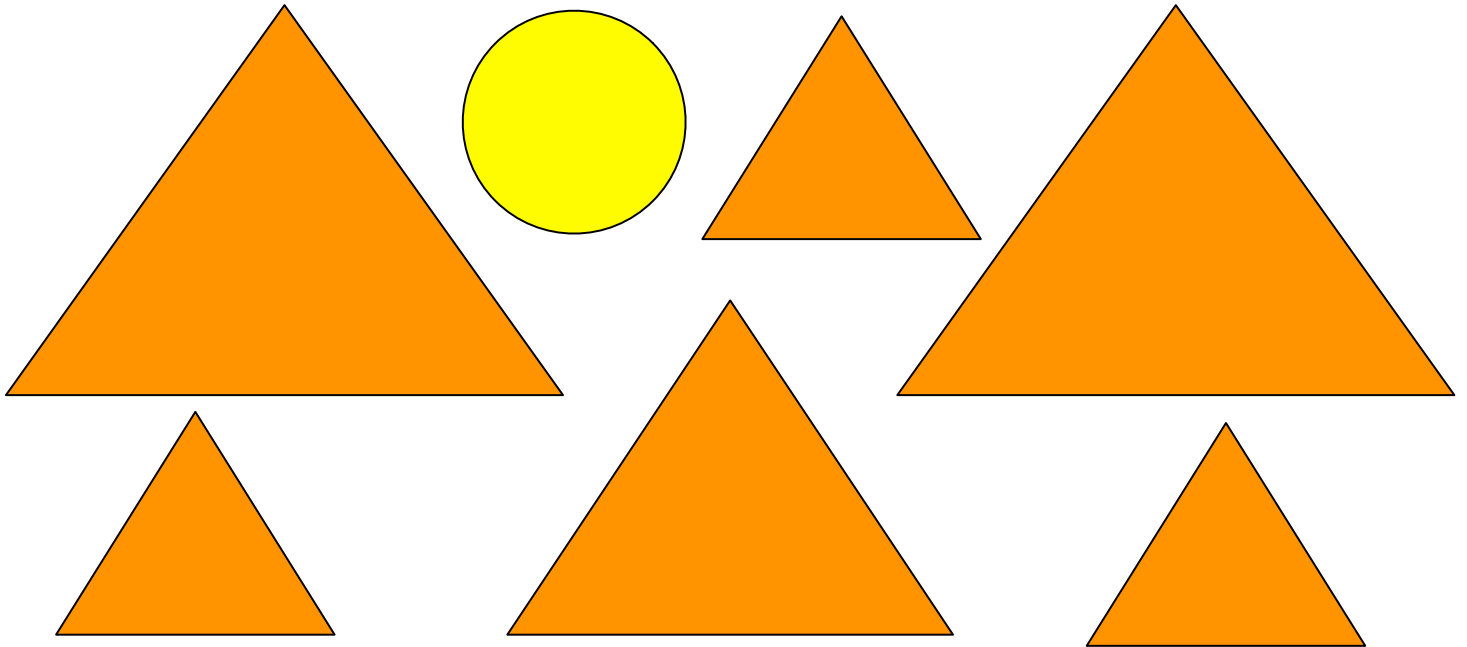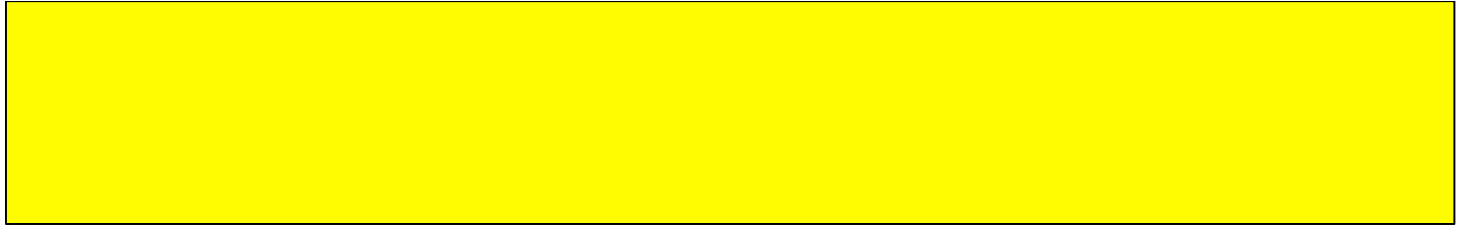
Instruction:
Circle Grey SIZE (2,3) AT (1,0)

First draw Bounding Box

Then fit largest (squashed)'circle' possible in the Bounding Box

SIZE of box is 2 x 3

Corner of Box is AT (1,0)

Instructions

1.	Rectangle	Yellow	SIZE (26,4)	AT (0,0)
2.	Rectangle	Blue	SIZE (26,14)	AT (0,4)
3.	Circle	Yellow	SIZE (4,4)	AT (16,12)
4.	Triangle	Orange	SIZE (8,6)	AT (17,4)
5.	Triangle	Orange	SIZE (10,7)	AT (10,4)
6.	Triangle	Orange	SIZE (10,7)	AT (3,4)
7.	Triangle	Orange	SIZE (5,4)	AT (13,3)
8.	Triangle	Orange	SIZE (5,4)	AT (7,3)
9.	Triangle	Orange	SIZE (5,4)	AT (1,3)
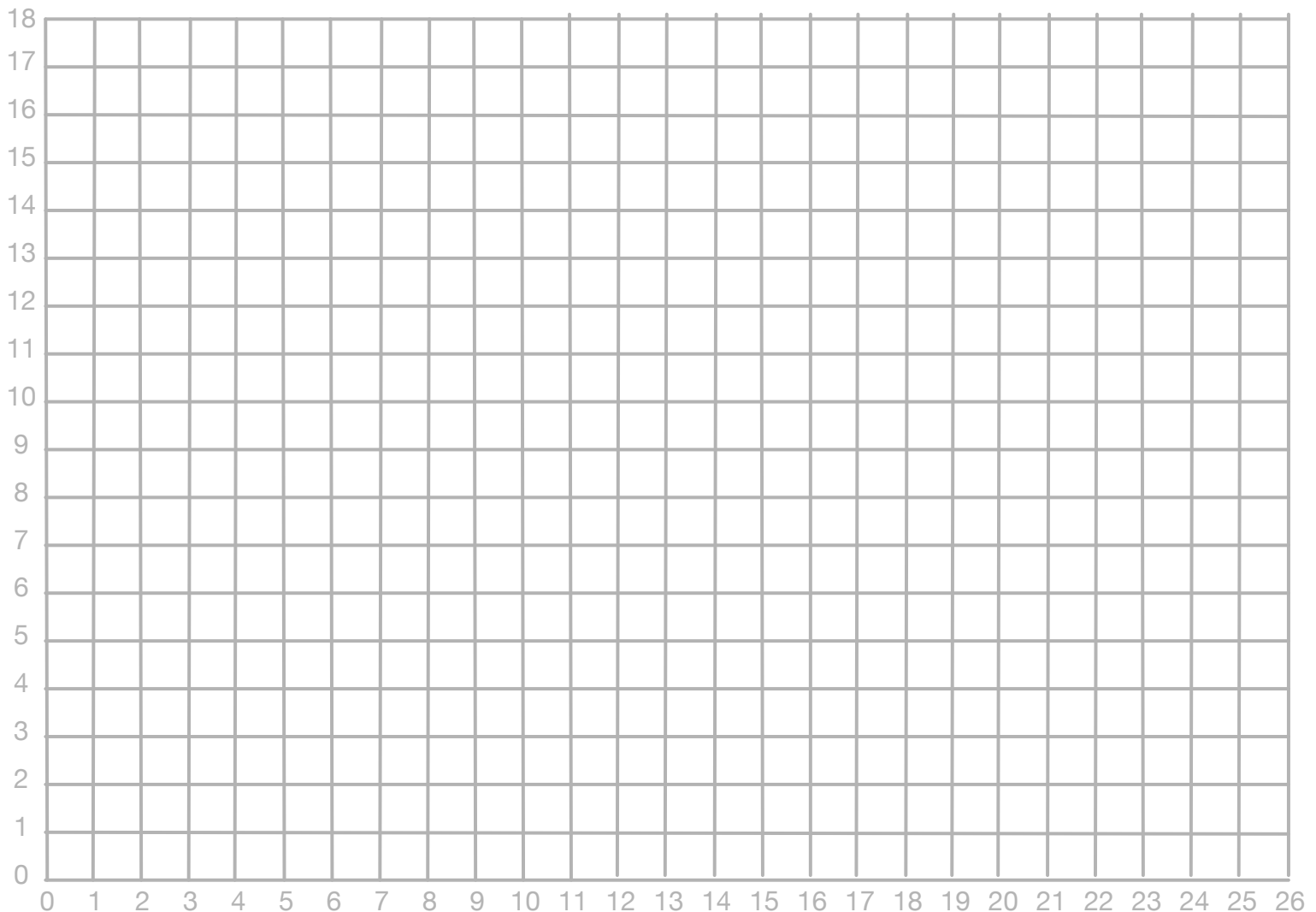
Stick the coloured shapes on this grid, in the positions given by the instructions. The order matters!

Computer Science activities with a sense of fun:
Vector Egypt Puzzle 1: V1 (12 April 2020)
Created by Paul Curzon
Teaching London Computing: http://teachinglondoncomputing.org

Cut round the shapes according to the instructions.