

Nets

I am learning to make nets of simple 3-D shapes.

Teachers: Students will require a variety of boxes which can be unstuck to show the nets they are made from. Suitable examples are raisin boxes.

Materials:

1) Your teacher has provided you with a variety of boxes. Carefully dismantle them with your partner to reveal the nets they are made from. Draw the nets in the boxes below.

Imaging:

2) Draw circles around the nets below that would fold to make a cube.

a)

b)

c)

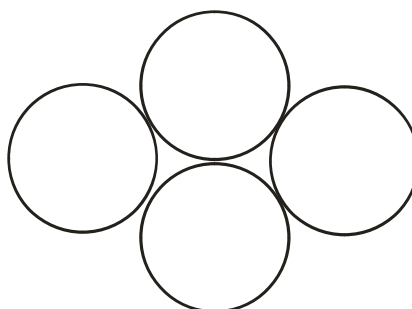
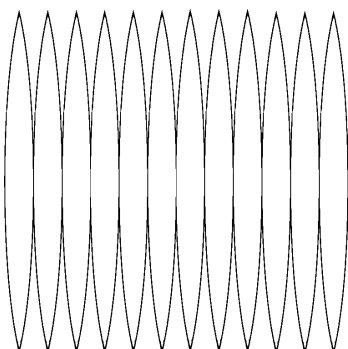
d)

e)

f) How do you know instantly this shape cannot create a cube?

Extended mathematical thinking:

3) One of the patterns below will not make a sphere. Which one is it and why?



4) On a separate piece of paper draw a net for a cube. Now use scissors and tape to cut out the shape and fold it into a cube.

5) Have you created a cube? Is there anything you could do to improve the net you drew?