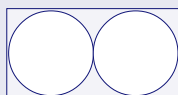


## Gift Shop

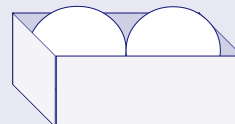
**Approach:** Station**Level:** Year 4 and year 8**Resources:** 4 round cakes of soap, scissors, ruler, blue-tack, A<sup>3</sup> white cardboard, response sheet.**Questions/instructions**

In this activity you will be designing shapes for packaging 4 soaps together for presents.

We could draw 2 soaps in a box like this:



It would look like this from the side view:



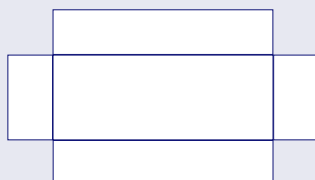
1. Sketch 3 different shaped packages that would hold the 4 soaps.

Draw the packages here with the 4 soaps in them like the first picture.

The 4 soaps should be touching each other and the sides of the box so they don't move around.

Number of packages drawn		% responses	
		year 4	year 8
3 or more		65	79
2		13	9
1		20	8
none		1	4
Appropriateness of designs		% responses	
		year 4	year 8
		strong	moderate
strong		13	37
moderate		42	41
weak		45	22

We could draw the shape we will cut out of the cardboard to make our box like this:



2. Draw the shapes here that you would cut out of the cardboard to make your 3 packages.

You don't need to draw a lid or a top for your package.

Appropriateness of nets	% responses			
		year 4	year 8	
		strong	moderate	weak
strong		5	28	
moderate		39	41	
weak		56	31	

3. Now make up one of the shapes you drew in question 2 with the cardboard.

Make it big enough to hold the 4 soaps.

Appropriateness of model	% responses			
		year 4	year 8	
		strong	moderate	weak
strong		10	38	
moderate		30	38	
weak		60	24	