

H13

Irvine Royal Academy—Technical Department S3/S4 Graphic Communication Homework Colour Theory



A new range of nail varnish will be sold in hexagonal-style stacking bottles as shown to the left.

The nail varnish will be available in a wide range of colours, tints and shades.

1 Complete the table below by adding the missing information:

	Colour	Primary or secondary	Advancing or receding	Mood
1i	red	primary		dangerous
1ii	green	secondary	receding	
1iii	blue		receding	formal
1iv	orange	secondary		appetising
1v, vi	yellow		advancing	

[6]

2 Explain the difference between a **Tint** and a **Shade**.

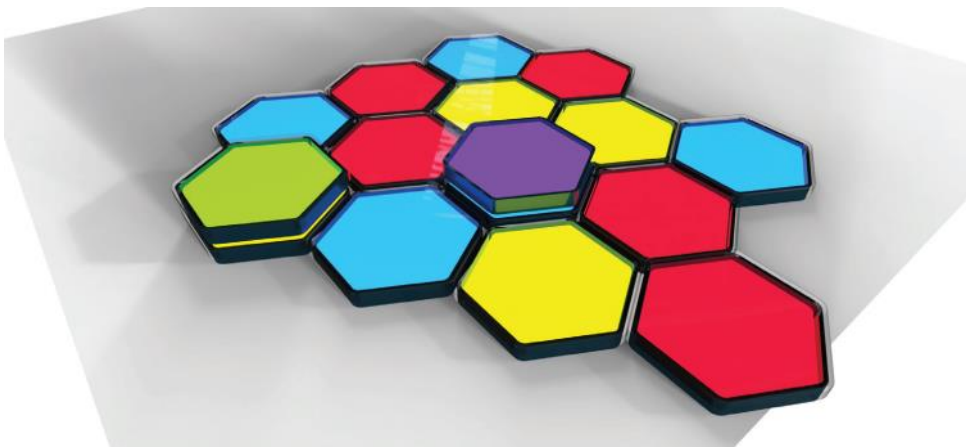
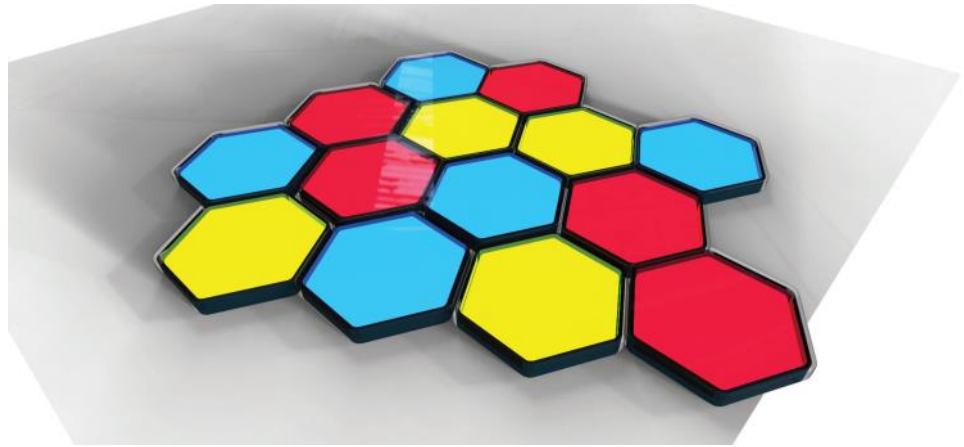
[1]

3 Explain how **Tertiary Colours** are created.

[1]

Colour Theory

“Colour Hive” is an educational toy designed to teach children about colour mixing. Each toy is a hexagonal tile that emits a primary colour. The colour is controlled through the use of a smartphone app.



The tiles are designed to be stackable. When a second coloured tile is stacked on top of the first, the colours of each tile are mixed to produce a secondary colour.

4 Complete the table below to show the top tile and resultant colours.

	Bottom Tile	Top Tile	Resultant Colour
4i	Red	Yellow	
4ii	Yellow		Green
4iii	Blue		Violet

[3]

5 The smartphone app used to control the tiles is shown to the right.

Contrasting colours were used in the colour scheme of this smartphone app. Explain why **contrast** is important in the design of the smartphone app.



[1]