

The taste test – an investigation (L1)

Name: _____ Date: _____

1. Measure the ingredients and make the mixtures written below.
2. Label each cup.
3. Write the ingredients as a ratio e.g. M1 is 50:100
4. In pairs, decide which word you would use to describe the strength of flavour and depth of colour for each mixture.
5. Then add your comment about the taste.
6. Record your findings in table below.

	Mixture	Ratio of squash to water	Strength Flavour (Agree with your partner and circle your choice)	Depth of colour (Agree with your partner and circle your choice)	Your comment
E.g.	Measure 50mls of squash. Add 50mls of water	__ : __	Very weak / weak / ok / strong / very strong	Very pale / pale / ok / bright / very bright	
M1	Measure 50mls of squash. Add 50mls of water twice more	__ : __	Very weak / weak / ok / strong / very strong	Very pale / pale / ok / bright / very bright	
M2	Measure 50mls of squash. Add 50mls of water 4 more times	__ : __	Very weak / weak / ok / strong / very strong	Very pale / pale / ok / bright / very bright	
M3	Measure 20mls of squash. Add 20mls of water 6 more times	__ : __	Very weak / weak / ok / strong / very strong	Very pale / pale / ok / bright / very bright	
M4	Measure 20mls of squash. Add 20mls of water 8 more times	__ : __	Very weak / weak / ok / strong / very strong	Very pale / pale / ok / bright / very bright	

Which ratio would you use to make your drink? _____

The taste test – an investigation (L2)

Name: _____ Date: _____

1. You will need 5 clean, empty bottles, measuring cups, water, and your favourite type of squash.
2. Label each bottle and find the capacity of each bottle.
3. Work out how much squash and water you need to fill each bottle with the mixtures written below.
4. Record your results in the table below.

Mixture	Ratio of squash to water	Number of parts in total	Total quantity needed in millilitres.	1 part = ?	What quantity of squash is used	What quantity of water is used
Bottle 1	1 : 4					
Bottle 2	1 : 7					
Bottle 3	2 : 3					
Bottle 4	2 : 5					
Bottle 5	3 : 5					

Which ratio would you use to make your drink? _____