

Year 4 Home Learning 13.7.20-17.7.20

This week will be your last week of Home Learning. For this reason we decided to make things a little bit different for you. We hope you enjoy the activities that we have set! We can't wait to see what you come up with.

Activity One: Create your own word search for a member of family to complete.

[illegible]

Write your word list here:

Activity Two: Calming colouring



Activity 3: Use one of the recipes below, or one of your own, and bake some cupcakes or a cake.

Method

Watch recipe video 

1. Heat oven to 180C/160C fan/gas 4 and fill a 12 cupcake tray with cases.
2. Using an electric whisk beat 110g softened butter and 110g golden caster sugar together until pale and fluffy then whisk in 2 large eggs, one at a time, scraping down the sides of the bowl after each addition.
3. Add ½ tsp vanilla extract, 110g self-raising flour and a pinch of salt, whisk until just combined then spoon the mixture into the cupcake cases.
4. Bake for 15 mins until golden brown and a skewer inserted into the middle of each cake comes out clean. Leave to cool completely on a wire rack.
5. To make the buttercream, whisk 150g softened butter until super soft then add 300g icing sugar, 1 tsp vanilla extract and a pinch of salt.
6. Whisk together until smooth (start off slowly to avoid an icing sugar cloud) then beat in 3 tbsp milk.
7. If wanting to colour, stir in the food colouring now. Spoon or pipe onto the cooled cupcakes.



Ingredients

110g softened butter

110g golden caster sugar

2 large eggs

½ tsp vanilla extract

110g self-raising flour

For the buttercream

150g softened butter

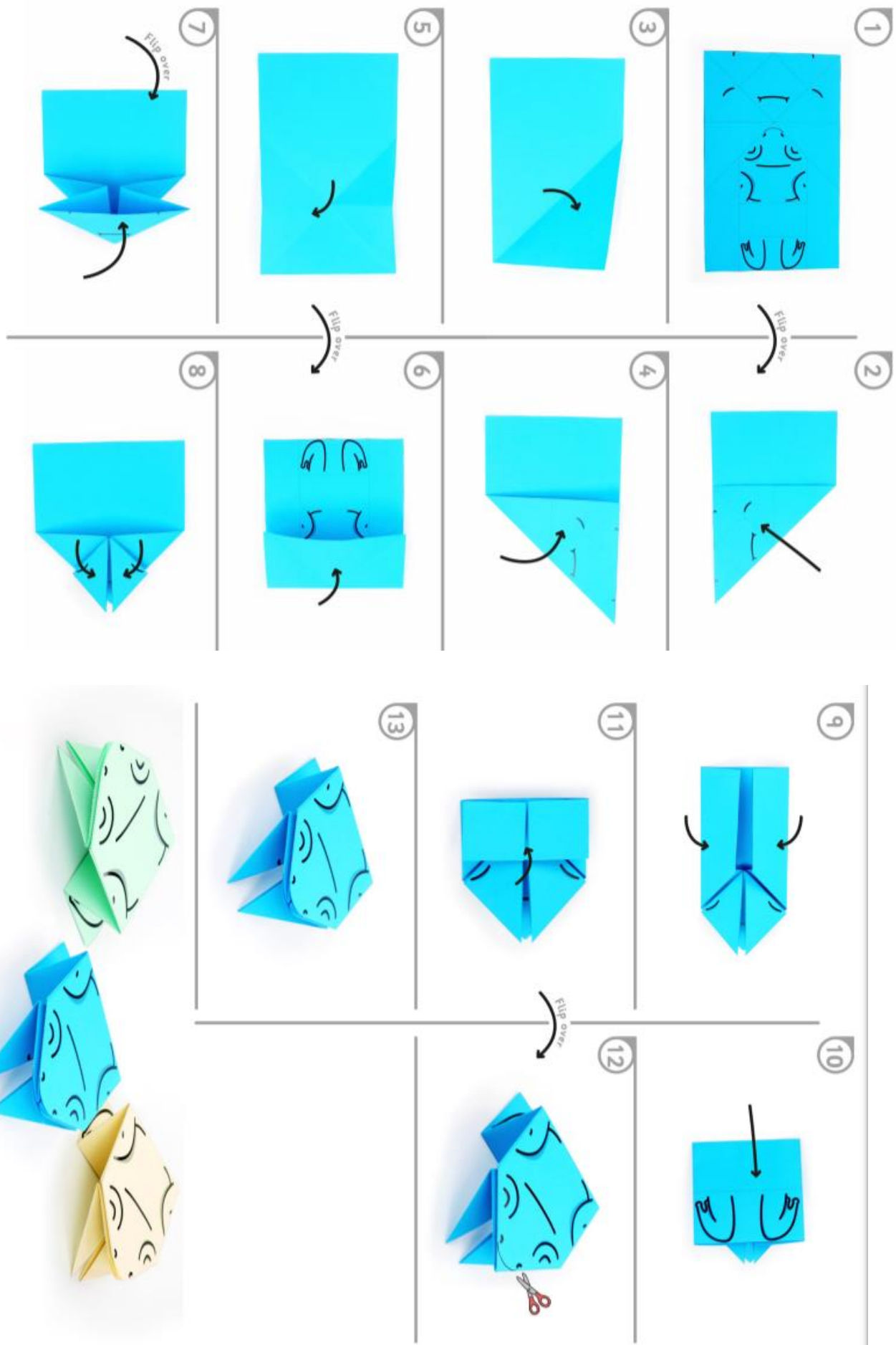
300g icing sugar

1 tsp vanilla extract

3 tbsp milk

food colouring paste of your choice (optional)

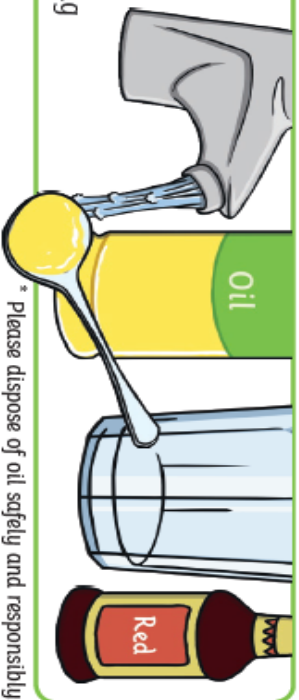
Activity 4: Origami Frog. Can you give your frog a silly design?



Fireworks in a Glass

You Will Need

- Warm Water
- Oil*
- A Tall Glass
- Food Colouring



* Please dispose of oil safely and responsibly.

This is a very cool, simple and fun experiment, and also completely safe, just don't drink the water!

Method

- 1 Fill the tall glass with warm water.
- 2 Pour a small amount of oil into another container and add a few drops of food colouring.
- 3 Give it a good stir, if it doesn't mix, add a bit of water.
- 4 Pour the food colouring and oil mixture into the warm water and watch the fireworks!

The Science Bit

Oil and water don't mix. Also oil is less dense than water (meaning there is less of it in the same volume) and therefore floats on top of water in a nice layer. The food colouring we used was water based and therefore does not mix with the oil, instead it sinks through the oil into the water below. Since the addition of the colouring makes the food colouring heavier than the water, it sinks to the bottom leaving trails (resembling fireworks) as some of the colour diffuses into the water.

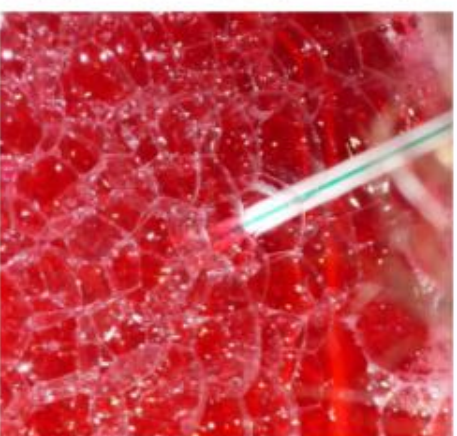
Awe and Wonder Soap Bubbles Prints

You will need:



Method:

1. Mix together, $\frac{1}{3}$ ready mix paint, $\frac{1}{3}$ water and $\frac{1}{3}$ washing up liquid in a paint pot.
2. Pour into a shallow tray.
3. Take a straw, place into the liquid and begin to blow, make sure not to suck otherwise you'll end up with a mouth full of paint!
4. Move the straw around creating bubbles.
5. Once the tray is full of bubbles take a sheet of paper and lay it carefully on top of the tray pressing down gently.
6. Lift it off and see the print you have created of the bubbles.



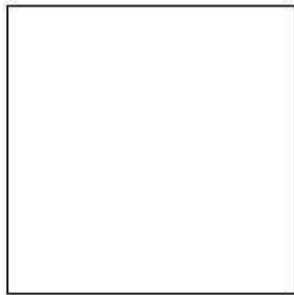
The Science Bit

Because washing up liquid can hold air inside its bubbles when you blow air in to the mixture it stays there creating lots of coloured bubbles. Because there is water in the mixture when you put paper on top of it the water is sucked into the paper, leaving a print.

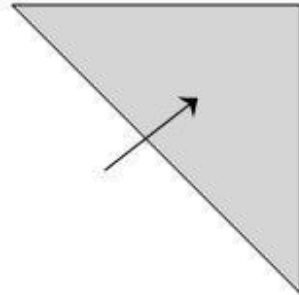
Activity 5: Science experiments to try at home.

Activity 6: Times table Chatter Box. Make a chatter box to help you remember your times tables.

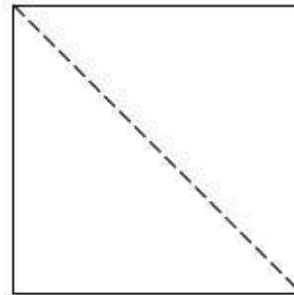
Instructions



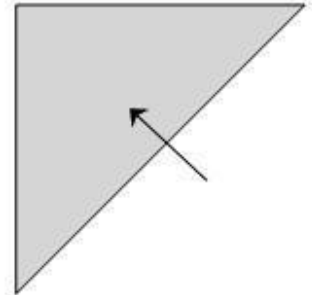
Take a square of paper.



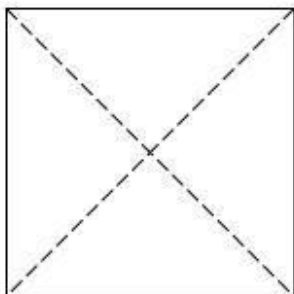
Fold it over like this.



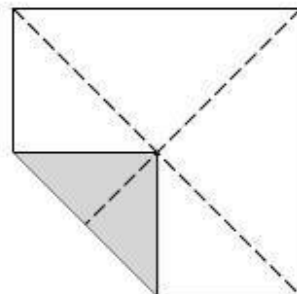
Unfold it.



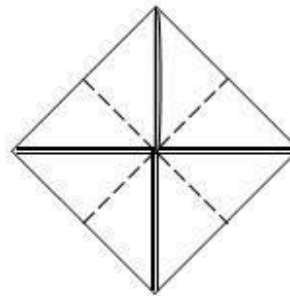
Now fold it the other way.



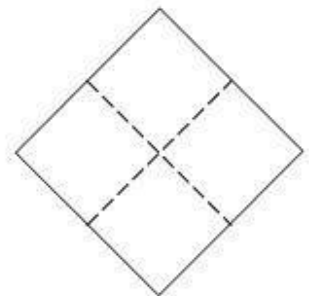
Unfold it and your paper should look like this.



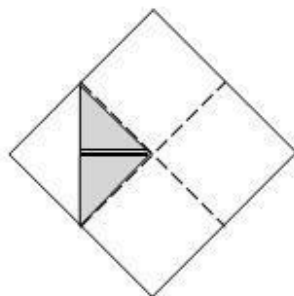
Fold all 4 corners to the center of the square so the points just touch it.



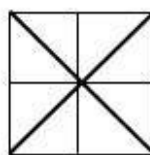
Your paper should look like this.



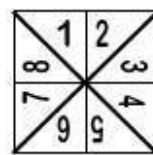
Flip your paper over so the folds you just made are turned down.



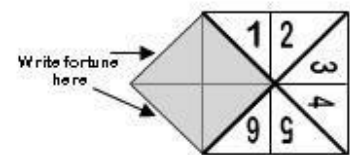
Fold the corners to the center again.



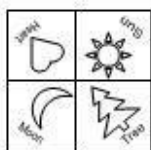
Your paper should look like this.



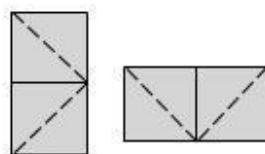
Write the numbers 1-8 as shown above. Two on each flap.



Add your 8 fortunes by lifting each flap and writing a fortune under each number.



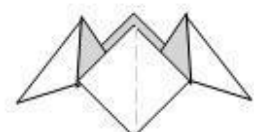
Flip your paper over and add a color or a different object you can spell to each section.



Fold it sideways like Figure 1 then unfold it. Now fold it up like Figure 2.



Put your fingers under the 4 open corners.

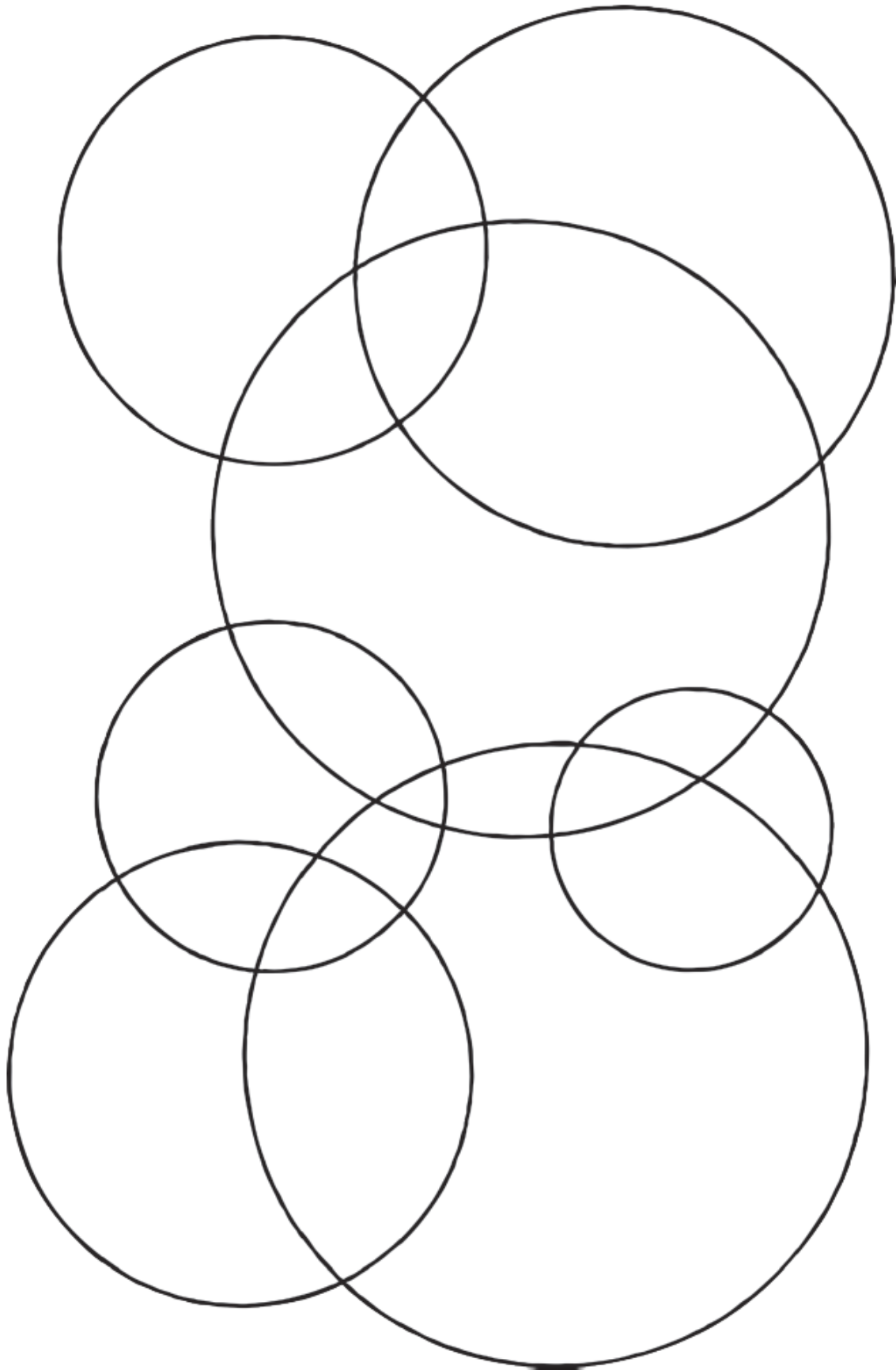


Here is how it looks finished and open.

Activity 7: Create an image or a collage of your choice using natural materials you have found outside or in your garden. Maybe you can collect some on a nice walk.



Activity 8: Pattern Design. Use the circles below to create your own pattern.



Activity 9: Use the template provided to design your own dice and board game.
Use the dice to play the board game you have designed.

