



Drips and drops

Notes for Parents and Carers

A medicinal dropper is better than a straw, but a straw also gives good results if it is squeezed gently. Blotting paper makes very regular round marks which are easy to measure. Paper tissues are very weak as well as being absorbent so they may go soggy! Let your child find out as much as possible.

If your child adds just a little detergent, the drops will probably be slightly smaller and slightly flatter than they were before. The important point is to let the child explore and take the measurements.

Note: If too much detergent is added you child may just blow bubbles which will look bigger!



Science and Technology

Name: _____

Drips and drops

You will need:

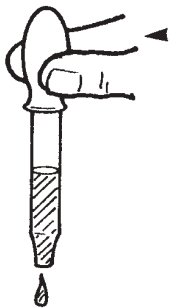
a dropper or a thin plastic drinking straw

6 different kinds of paper (including blotting paper)

a ruler

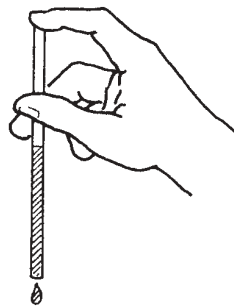
washing-up liquid

dropper



squeeze
gently

straw



press down
on top and
then squeeze
sideways

~ Examine each kind of paper.

Is it smooth?

Is it crackly?

Is it strong?

~ Now play **“Guess the paper game”**.

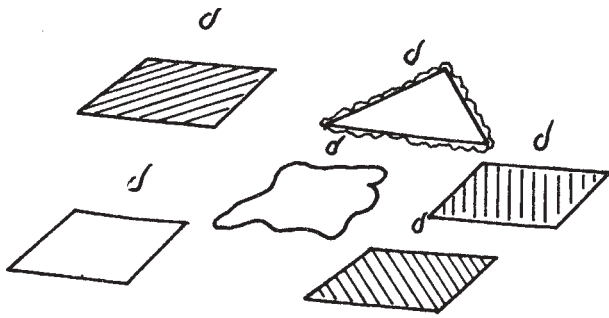
~ Ask somebody to give you one piece of paper at a time.

~ Close your eyes.

Can you tell which paper it is?

How many did you get right?





~ Make 1 drop of clean water on each piece of paper.

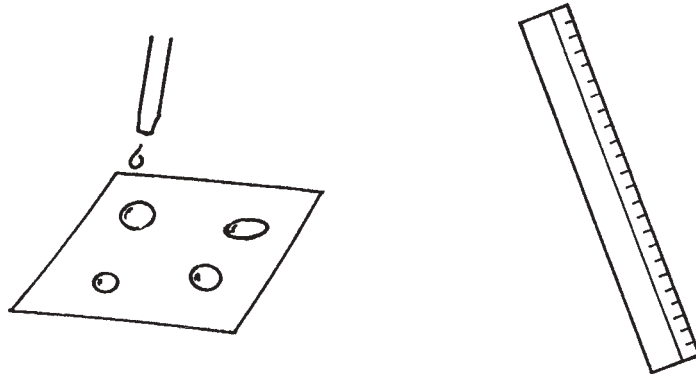
~ Draw the shape of each drop.

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~ Now use the blotting paper for a test.

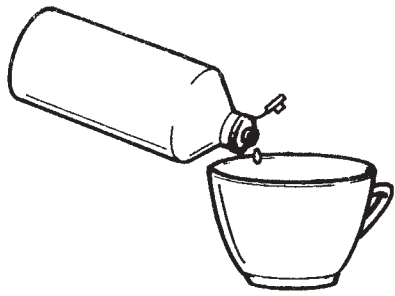
~ Make 4 drops of clean water.

Are all your drops the same size?



~ Measure each drop.

<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	
<input style="width: 40px; height: 40px;" type="text"/>	<input style="width: 40px; height: 40px;" type="text"/>	<input style="width: 40px; height: 40px;" type="text"/>	<input style="width: 40px; height: 40px;" type="text"/>	cm



~ Put 2 or 3 drops of washing-up liquid into a cup of water.

~ Now make 4 drops on blotting paper using washing-up water.

~ Measure the size of a drop.

cm

Which is bigger

clear water drop?

washing-up water drop?

Which is flatter

clear water drop?

washing-up water drop?

Why do you think washing-up liquid is so good for cleaning dishes?

Draw or write about what you have done on the back of this sheet.