

Extension

Let's look at a way of opening out this investigation for those learners who need extension work.

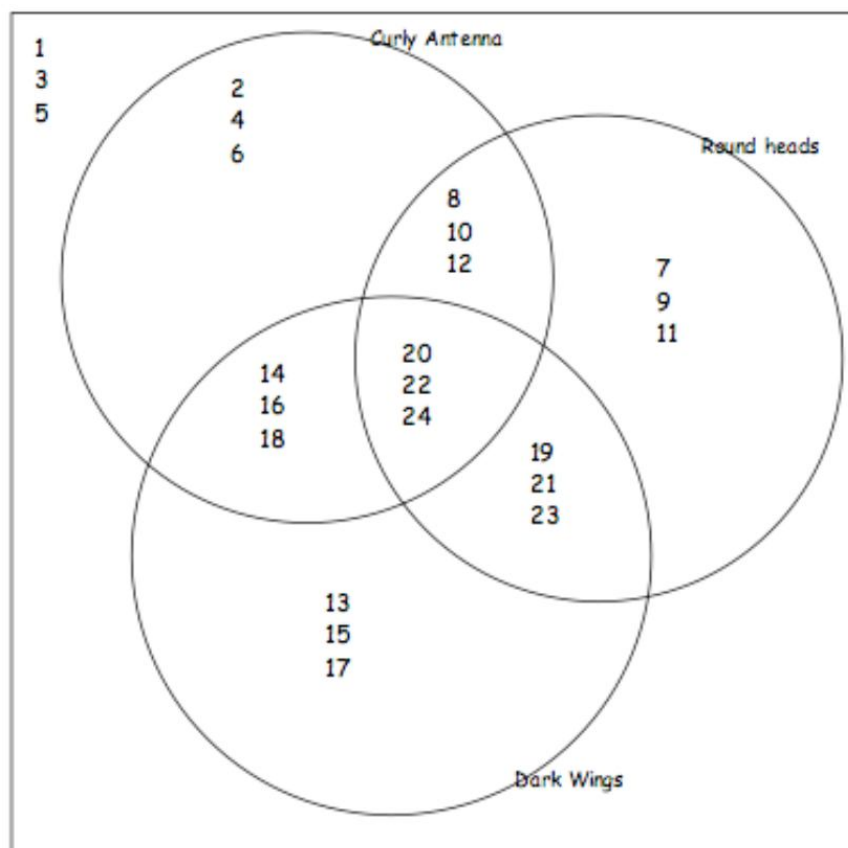
Often when we have these kinds of shared attributes we have a look at representing them in Venn diagrams. So when the learners are handling the twenty four cards you can ask them to choose three of the attributes that are represented here as the choices that the children made in the problem.

Curly Antenna – Round Heads – Yellow Spots – Dark Wings – Blue Spots

If, for the sake of these notes, I abbreviate these to C, R, Y, D, and B, then the pupils would choose one of these arrangements

CRY, CRD, CRB, CYD, CYB, CDB, RYD, RYB, YDB, RDB

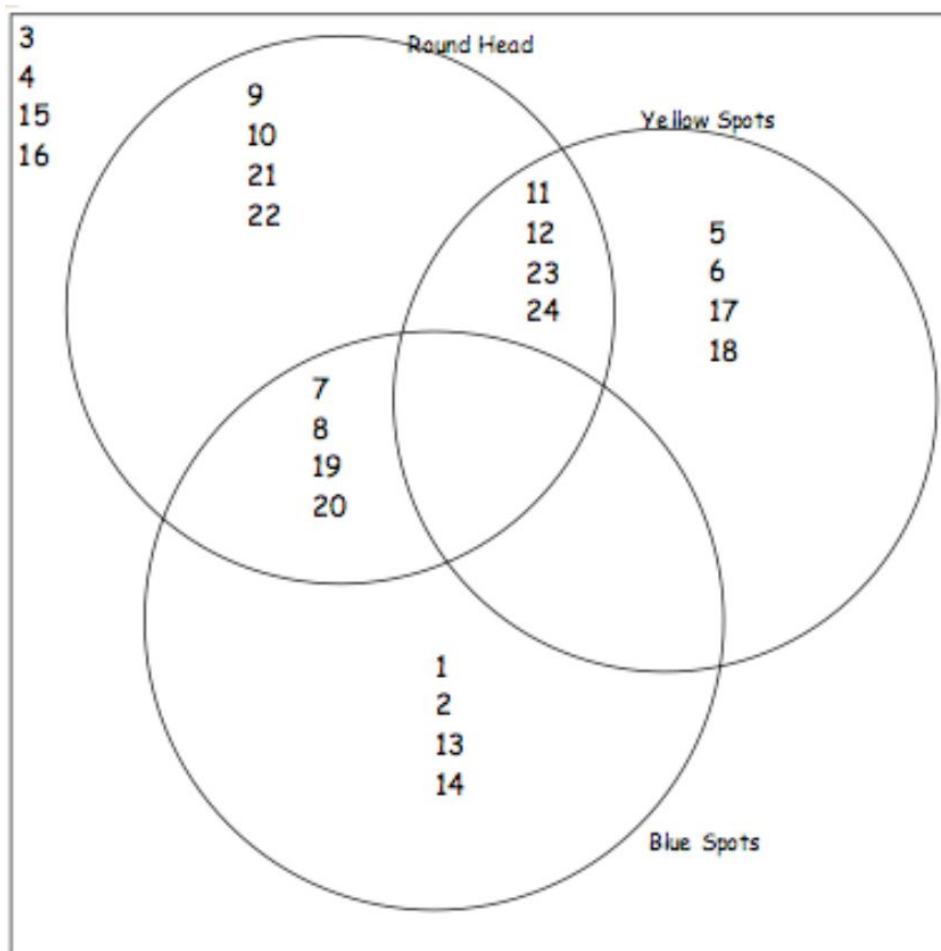
Choosing CRD would eventually look something like:



Having got this result, it would be good to ask learners what they notice about this diagram.

When discussion has taken place, some of the points would probably lead to further exploration.

Some maybe would like to try another set of three. Here is RYB:



Again a chance for more discussion. Then you would be able to ask the group to compare what these two diagrams show.

Then the path is open for further work.