Wood bugs

brightness or not

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Hypothesis: wood bugs like dark more than others, so if we colored one side with a bright colour, then the wood bug will go to the other side.

Materials are:

-wood bugs

- papers

-neon highlighter

-twisters

-scissors

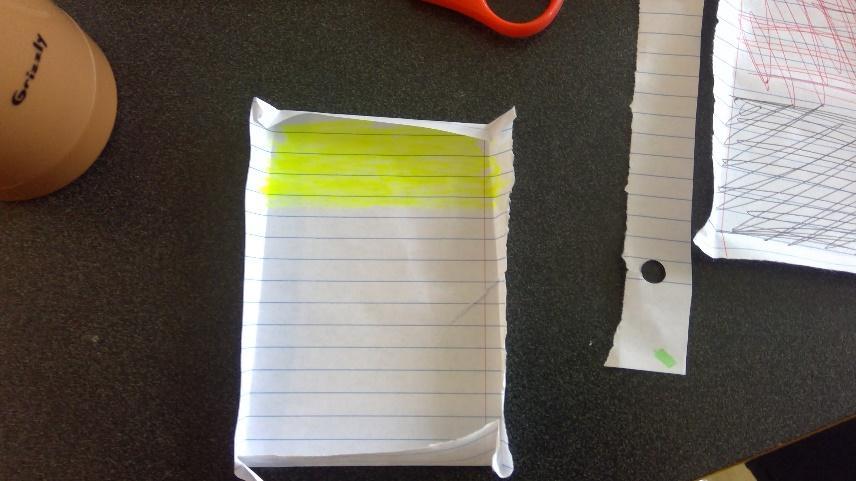
Procedure :

1-First we got the paper.

2-Folded it edges (so that the wood bugs can't escape).

3-Color the edge neon yellow and leave the other side blank.

4-Put the wood bugs in.

5- wait to see were the would bugs will go.

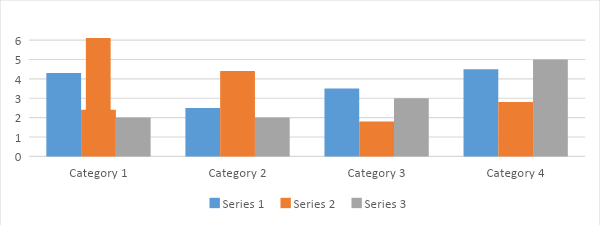
data

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Wood bug 1 | Wood bug 2 | Wood bug 3 | Wood bug 4 | Wood bug 5 | total |
| Went to the bright side | 1 | 0 | 0 | 1 | 1 | 3 |
| Went to the blank side | 0 | 1 | 1 | 0 | 0 | 2 |

Qualitative observation:

1. they are brown and black.
2. they are around like 1.5 cm.
3. they have many feet.
4. their cases are hard.

Data analysis

 F,{3d501798-2dce-4b29-b3d5-0d459238f017}{211},2.125,0.6666667F,{3d501798-2dce-4b29-b3d5-0d459238f017}{212},2.145833,0.6666667F,{3d501798-2dce-4b29-b3d5-0d459238f017}{213},2.0625,0.6666667F,{3d501798-2dce-4b29-b3d5-0d459238f017}{214},1.958333,0.6666667F,{3d501798-2dce-4b29-b3d5-0d459238f017}{215},3.833333,0.6666667F,{3d501798-2dce-4b29-b3d5-0d459238f017}{216},0.6666667,0.6666667F,{3d501798-2dce-4b29-b3d5-0d459238f017}{217},3.375,0.6666667F,{3d501798-2dce-4b29-b3d5-0d459238f017}{218},0.6666667,0.6666667F,{3d501798-2dce-4b29-b3d5-0d459238f017}{219},0.6666667,0.6666667F,{3d501798-2dce-4b29-b3d5-0d459238f017}{220},0.6666667,1.354167F,{3d501798-2dce-4b29-b3d5-0d459238f017}{221},0.6666667,0.6666667F,{3d501798-2dce-4b29-b3d5-0d459238f017}{222},0.6666667,0.9375F,{3d501798-2dce-4b29-b3d5-0d459238f017}{223},0.6666667,1.625F,{3d501798-2dce-4b29-b3d5-0d459238f017}{224},0.6666667,0.7708333F,{3d501798-2dce-4b29-b3d5-0d459238f017}{225},0.6666667,1.1875F,{3d501798-2dce-4b29-b3d5-0d459238f017}{226},0.6666667,1.104167F,{3d501798-2dce-4b29-b3d5-0d459238f017}{227},0.6666667,1.166667F,{3d501798-2dce-4b29-b3d5-0d459238f017}{228},0.6666667,1.229167F,{3d501798-2dce-4b29-b3d5-0d459238f017}{229},0.6666667,0.6666667F,{3d501798-2dce-4b29-b3d5-0d459238f017}{230},0.6666667,2.291667F,{3d501798-2dce-4b29-b3d5-0d459238f017}{231},2.666667,0.6666667

Conclusion : (all three parts)

1.We are right at the hypothesis, the wood bugs like dark side.

2.Maybe the wood bugs are tired, or they just go by accident, because there are 3 go to the dark side and 2 go to the colour side. That is pretty close.

3.We will want to try 5 to 10 wood bugs and try different colours to do the experiment again.