**Class 5 Homework – Alnwick – 20.6.22 Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Q1.**

**Plants on the school field**

(a)  Some children are finding out about plants. They get three buttercup plants. They put each plant in a place with different conditions.

After two weeks, the buttercup plants look like this:



Write **A**, **B**, and **C** in the table below to match each place to the conditions found there.





1 mark

(b)  There are differences between plants.

These differences help people sort plants into groups.

Write **true** or **false** next to each reason that explains why plants need to be sorted into groups.

|  |  |  |
| --- | --- | --- |
|  | Plants need to be sorted into groups... | **True** or **False**? |
|   | to stop plants becoming extinct. | \_\_\_\_\_\_\_\_\_\_\_\_ |
|   | to help people identify plants | \_\_\_\_\_\_\_\_\_\_\_\_ |
|   | to help plants reproduce. | \_\_\_\_\_\_\_\_\_\_\_\_ |

1 mark

(c)  The children look at different plants on the school field.

|  |  |
| --- | --- |
| They record the number of common plantain and buttercup plants in 1m2 in different places. |  |

The children think they see a pattern in the place that the plants grow.

The table shows their results.



Describe the relationship between **how many children** are playing in a place and the **number of common plantains** found there.

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1 mark

(d)  The buttercup plant has a long thin stem.

The long thin stem of the buttercup plant stops it surviving in places where lots of children play. Explain why.

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1 mark