**LOOK AT ME… I REPEAT MYSELF!**

1. Look carefully at the tree you made and fill in the following tables.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| The red branch (the shortest) | Yellow branch | Green branch | Brown branch | Blue branch (the longest) |
| \_\_\_\_\_ sticks | \_\_\_\_\_ sticks | \_\_\_\_\_ sticks | \_\_\_\_\_ sticks | \_\_\_\_\_ sticks |

Length of the stick: \_\_\_\_\_\_\_\_\_\_ cm

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| The red branch (the shortest) | Yellow branch | Green branch | Brown branch | Blue branch (the longest) |
| \_\_\_\_\_ cm | \_\_\_\_\_ cm | \_\_\_\_\_ cm | \_\_\_\_\_ cm | \_\_\_\_\_ cm |

1. What would happen if we changed the length of the stick?
2. The stick is 1 cm long.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| The red branch (the shortest) | Yellow branch | Green branch | Brown branch | Blue branch (the longest) |
| \_\_\_\_\_ cm | \_\_\_\_\_ cm | \_\_\_\_\_ cm | \_\_\_\_\_ cm | \_\_\_\_\_ cm |

1. The stick is 2 cm long

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| The red branch (the shortest) | Yellow branch | Green branch | Brown branch | Blue branch (the longest) |
| \_\_\_\_\_ cm | \_\_\_\_\_ cm | \_\_\_\_\_ cm | \_\_\_\_\_ cm | \_\_\_\_\_ cm |

1. The stick is 5 cm long

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| The red branch (the shortest) | Yellow branch | Green branch | Brown branch | Blue branch (the longest) |
| \_\_\_\_\_ cm | \_\_\_\_\_ cm | \_\_\_\_\_ cm | \_\_\_\_\_ cm | \_\_\_\_\_ cm |

1. What values will appear in the table if the stick is 4 cm long?

4. Can the length of one branch be 36 if the stick is 5 cm long? Explain your answer.