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# Re-Building the Forest Worksheet <br> Answers 

## The Truffula Tree:

1 year to sprout
10 years to become a sapling


10 more years to become an adult tree and make 10 seeds*

* each tree makes 10 seeds per year

| Year | \# of seeds | \# of sprouts | \# of saplings | \# of mature trees |
| :---: | :---: | :---: | :---: | :---: |
| 0 | 1 | 0 | 0 | 0 |
| 1 | 0 | 1 | 0 | 0 |
| 10 | 0 | 0 | 1 | 0 |
| 20 | 10 | 0 | 0 | 1 |
| 21 | 10 | 10 | 0 | 1 |
| 22 | 10 | 20 | 0 | 1 |
| 30 | 10 | 90 | 10 | 1 |
| 31 | 10 | 90 | 20 | 1 |
| 32 | 10 | 90 | 30 | 1 |
| 40 | 110 | 90 | 100 | 11 |
| 41 | 210 | 190 | 100 | 21 |
| 42 | 310 | 390 | 100 | 31 |

