

Name: _____ Date: _____

Re-Building the Forest Worksheet

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

Answers



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
23	10	30	0	1
24	10	40	0	1
25	10	50	0	1
26	10	60	0	1
27	10	70	0	1
28	10	80	0	1
29	10	90	0	1
30	10	90	10	1
31	10	90	20	1
32	10	90	30	1
33	10	90	40	1
34	10	90	50	1
35	10	90	60	1
36	10	90	70	1
37	10	90	80	1
38	10	90	90	1
39	10	90	100	1
40	110	90	100	11
41	210	190	100	21
42	310	390	100	31
43	410	690	100	41
44	510	1090	100	51
45	610	1590	100	61
46	710	2190	100	71
47	810	2890	100	81
48	910	3690	100	91
49	1010	4590	100	101