

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	100	10	1
31	10	100	20	1
32	10	100	30	1
33	10	100	40	1
34	10	100	50	1
35	10	100	60	1
36	10	100	70	1
37	10	100	80	1
38	10	100	90	1
39	10	100	100	1
40	110	100	100	11
41	210	210	100	21
42	310	420	100	31
43	410	730	100	41
44	510	1140	100	51
45	610	1650	100	61
46	710	2260	100	71
47	810	2970	100	81
48	910	3780	100	91
49	1010	4690	100	101