

## Life table worksheet answers

x (years)	number surviving	$l_x$	$m_x$	$l_x m_x$	$x l_x m_x$
1	1000	1	0	0	0
2	158	0.158	0.33	0.05214	0.10428
3	154	0.154	0.8	0.1232	0.3696
4	151	0.151	2.4	0.3624	1.4496
5	147	0.147	3.1	0.4557	2.2785
6	136	0.136	2.5	0.34	2.04
7	105	0.105	3	0.315	2.205
8	74	0.074	8.6	0.6364	5.0912
9	22	0.022	4.3	0.0946	0.8514
10	0	0	0	0	0

$R_0 = 2.37944$

$T = 14.3896$

$r = 0.0602$

\* survivorship is most like Type III, with high juvenile mortality

\* the fecundity pattern is iteroparous with a general increase, peak, and decline with age