



Answer Key

Food Intake and Reproduction Rates of Pythons

Python	Eggs	Successful Reproduction Rate	Lifetime Offspring	Yearly Food Intake (pounds)	
	Laid	Hatched			
B	40	25	$\frac{25}{40} = \frac{5}{8}$	$340 \times \frac{5}{8} = 212 \frac{1}{2}$	$391 \frac{1}{4}$
E	21	12	$\frac{12}{21} = \frac{4}{7}$	$340 \times \frac{4}{5} = 272$	$472 \frac{1}{2}$
H	27	24	$\frac{24}{27} = \frac{8}{9}$	$340 \times \frac{8}{9} = 302 \frac{1}{5}$	$446 \frac{7}{8}$
M	81	54	$\frac{54}{81} = \frac{2}{3}$	$340 \times \frac{2}{3} = 266 \frac{2}{3}$	$760 \frac{5}{8}$
N	84	32	$\frac{28}{84} = \frac{1}{3}$	$340 \times \frac{1}{3} = 113 \frac{1}{3}$	$625 \frac{5}{12}$
O	105	21	$\frac{21}{105} = \frac{1}{5}$	$340 \times \frac{1}{5} = 68$	$578 \frac{1}{3}$
P	70	35	$\frac{35}{70} = \frac{1}{2}$	$340 \times \frac{1}{2} = 170$	$600 \frac{5}{8}$
R	18	16	$\frac{16}{18} = \frac{8}{9}$	$340 \times \frac{8}{9} = 302 \frac{1}{5}$	$463 \frac{3}{4}$
S	90	54	$\frac{54}{90} = \frac{3}{5}$	$340 \times \frac{3}{5} = 204$	$524 \frac{1}{6}$
T	96	36	$\frac{36}{96} = \frac{3}{8}$	$340 \times \frac{3}{8} = 127 \frac{1}{2}$	$658 \frac{1}{8}$
U	68	51	$\frac{51}{68} = \frac{3}{4}$	$340 \times \frac{3}{4} = 255$	$591 \frac{1}{4}$
Y	40	35	$\frac{35}{40} = \frac{7}{8}$	$340 \times \frac{7}{8} = 297 \frac{1}{2}$	$439 \frac{3}{8}$