x – iguanas in first box

y – iguanas in second box

Solution:

make a system:

$$\begin{cases} x - y = 19 \\ \dfrac{x}{y} = \dfrac{3}{2} \end{cases}$$

1) $x = 19 + y$

2) $\dfrac{19 + y}{y} = \dfrac{3}{2}$

3) $y = 38$

4) $x = 38 + 19 = 57$

5) Iguanas together: 38+57 =95

6) Rikki lost: 95-92=3

Answer: Rikki lost 3 iguanas