***How Many Chickens?***

***![C:\Users\Julia\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\QPXY34HQ\MC900038516[1].wmf]()![C:\Users\Julia\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\GKX3P10J\MC900235199[1].wmf]()***

Farmer Joe looks into his barn stalls and counts 24 legs. He knows that he has 3 horses, but he can’t remember how many chickens he has. If the remaining legs belong to his prized chickens, how many chickens does he have?

Extension: If Farmer Joe didn’t know how many of each animal he had in the barn, what are all of the possible combinations of chickens and horses that would have 24 total legs?