1. Two dogs are pulling on a toy. One dog pulls on the right with 65 N, the other dog pulls to the left with 43 N. What is the net force applied to the toy?

43 N 65 N

Fnet = 65 N – 43 N

= 22 N Right

1. A 125 g orange falls to the ground. Air resistance slows the orange down with a force of 1.2 N. What is the net force on the orange?
2. Fg = ( 0.125 g ) ( 9.8 N/kg )

= 1.225 N

1. Fair = 1.2 N

Fnet = 1.225 N – 1.2 N

= 0.025 N

Fg = 1.225 N