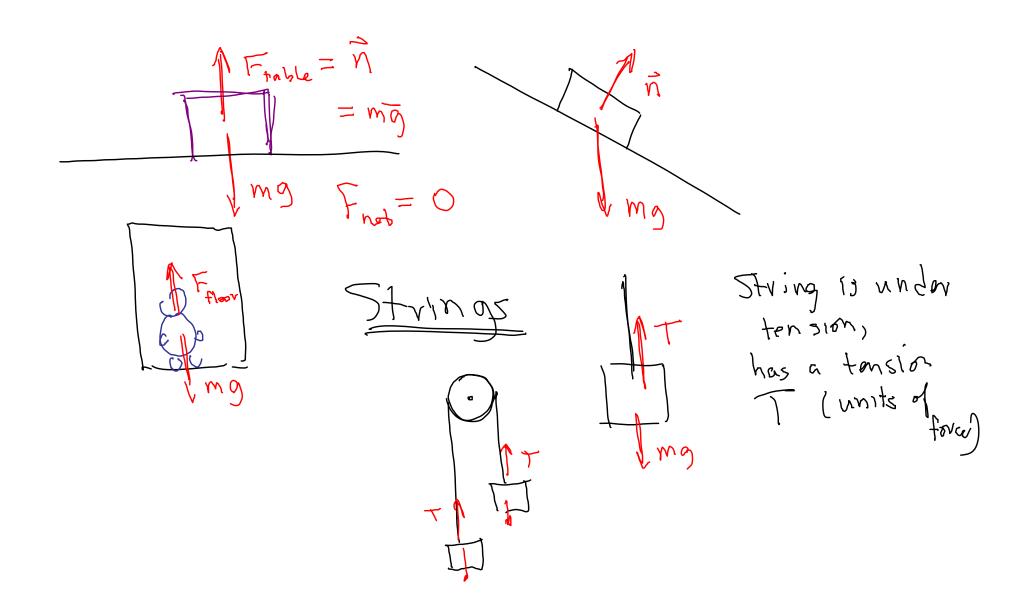
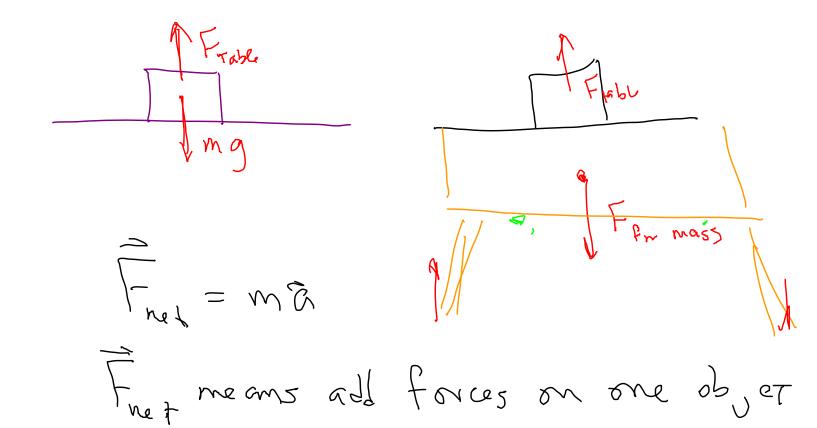
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1200: Has a tension, can Push outraid, or pull inward Newton's 2rd Law



Spring (Ideal) k = sping constant

| Form | = | kx |

Work lotsa problems torces:

Draw a picture

Showing the directions magnitudes (such as are

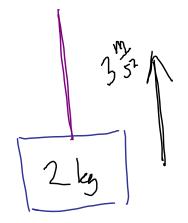
known)

Tree-13 dy Diagram
DP!

Example

2 by mass pulled upward by string, so that it accords upward at 3 mgs. Find tension in the string.

 $F_{y} = T - mg = ma_{y}$ $T = mg + ma_{y}$



2,6n

T = mg + may = m(g + ay) = (2 lg)(9.8 + 3 st) = (2 lg)(12.8 t) = 25 N