Useful equations: $\Sigma F = ma$ $F_g = mg$

Use the weight equation to solve these:

a) What is the mass of an 89.5 N wagon?
b) What is the weight of a 25.4 N rock?
c) What is the weight of a 70 kg person?
d) What is the mass of a 7.55 kg ball?

$F_g = mg$

$m = \frac{F_g}{g}$

$= \frac{89.5\,N}{9.8\,\frac{m}{s^2}}$

a) $\boxed{m = 9.13\,kg}$

b) $\boxed{F_g = 25.4\,N}$

$F_g = mg$

$= 70\,kg\,(9.8\,\frac{m}{s^2})$

c) $\boxed{F_g = 686\,N}$

d) $\boxed{m = 7.55\,kg}$

For problems such as b and d, just because you didn't have to do a calculation doesn't mean you can leave the symbol off.
Also, when I say symbol, don't use words such as "weight" and "mass". Use F_g and m.