## **EXPERIMENTS & EXERCISES**

Weight and mass

 $g_{\text{Earth}} = 9.8 \text{ ms}^{-2}$   $g_{\text{Moon}} = 1.6 \text{ ms}^{-2}$   $g_{\text{Mars}} = 3.8 \text{ ms}^{-2}$  $g_{\text{Venus}} = 8.8 \text{ ms}^{-2}$ 

$m{m}=$ mass of weight (kg)	$ extbf{\emph{F}}=$ weight on spring (N)	$\frac{F}{m}$

Accord	ding to the experiment, adding mass	weight. The ratio of	weight to mass is
1.	In the Finnish system, a class B driver's license allows for driving vehicles below 3 500 kg. Find the maximum weight of such a car.		
F =			
m =			
<i>g</i> =			
2.	. A bridge bears a sign telling "MAX	$600\ 000\ N^{\prime\prime}$ . What is the maximu	m mass the brigde holds?
F =			
m =			
g =			
3.	You have found an article written l their annals, the 600-newton astro Form an educated guess as to whice	onaut was observed to seem only	
F =			
m =			
g =			