Reading: Read Sections 1.1–1.3
Do the following exercises.

1. Section 1.1, Exercise 1
2. Section 1.1, Exercise 5
3. Section 1.1, Exercise 8
4. Section 1.1, Exercise 15
5. Section 1.1, Exercise 18. For this, read Example 4 and use Newton’s Second Law: $F = ma$, where $F$ is the force, $m$ is the mass, and $a$ is the acceleration. The units match when $F$ is in newtons, and $m$ is in kilograms, and $a$ is in meters per second squared, i.e., for $N$ denoting newtons, we have $N = \frac{kg \cdot m}{s^2}$.
6. Section 1.1, Exercise 21
7. Section 1.1, Exercise 24
8. Section 1.1, Exercise 25
9. Section 1.1, Exercise 26
10. Section 1.1, Exercise 27