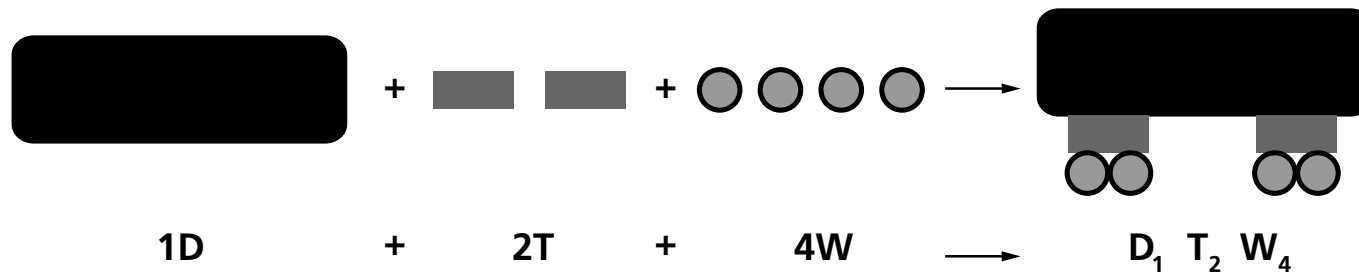**83** **Section 7.1 Interest Grabber**

Equation Analogy

Imagine that you work at a skateboard shop and you are in charge of assembling the skateboards. Every skateboard requires one deck (the board), two trucks (the mounted axels), and four wheels.

1. Your boss asks you to make five skateboards. How many trucks do you need?

2. The following diagram shows the "recipe" for one skateboard. What do you notice about the relative amounts of each part on either side of the arrow?

$$1D \quad + \quad 2T \quad + \quad 4W \quad \longrightarrow \quad D_1 \ T_2 \ W_4$$

One deck plus two drucks plus four wheels makes one skateboard.