Example Word Problems:

Hot dogs come in packages of 10 and buns come in packages of 8. Julie wants to purchase the smallest number of hot dogs and buns so that she has exactly one bun per hot dog. How many packages of each will she have to buy?

Why is this a LCM problem? _Smallest_

Boxes that are 18 inches tall are being stacked next to boxes that are 24 inches tall. What is the shortest height at which the two stacks will be the same height?

Why is this a LCM problem? _Shortest_

L _east_

C _ommon_

M _ultiple_

It's important to know the LCM when
- _Finding Common denominators_
- _equivalent frations Ratios_

Sample Problem:
    Find the LCM of 12 and 18.

List the multiples

12: 12, 24, 36, 48, 60
18: 18, 36
LCM = 36

Step 1: List the multiples

Step 2: identify where they meet first

Key Words
For a LCM
Word Problem:

Smallest
Shortest
minimum
meet again