

Section 1.5 A Problem Solving Plan Using Models

To solve problems we look for phrases that translate to mathematical operations. the following table provides some examples:

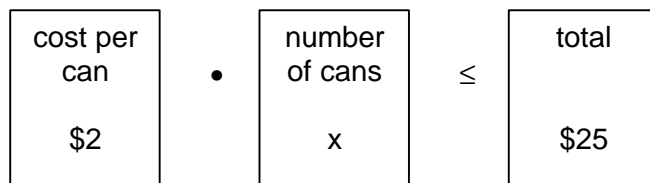
Addition: add, sum, more than, plus, increased by

Subtraction: difference, less than, minus, decreased by

Multiplication: product, times, multiplied by

Division: quotient, divided by

Example: You and some friends are having a LAN Party. You need to bring the Red Bull that everyone chipped in for. Each can of Red Bull costs \$2.00. You collect a total of \$25. How many cans of Red Bull can you buy ignoring tax?



$$2x \leq 25$$