

**[12-01-03-T7]**

*Word Problems*

---

For each of the following, write, but do not solve, the equation in one unknown that would provide the numeric answer. Include the units the numeric answer would have. Show the reasoning that leads to the equation you write.

[1] Tom has 20 coins. Each coin is either a nickel or a quarter. If Tom has \$88.25, how many nickels does he have?

[2] Car A has a head start of 13.97 miles. How much time will it take for Car B to catch up with Car A, if Car A travels at a constant speed of 34.5 mph and Car B travels at a constant speed of 47.3 mph?

[3] A man buys two kinds of coffee totalling  $13\frac{1}{5}$  pounds. One kind of coffee cost \$18.27 dollars per pound and the other kind cost \$19.13 per pound. If he spent \$246.07 in all, how many pounds of the \$19.13 coffee did he buy?