

4.10

Problems without Solutions

NOT ALL WORD PROBLEMS HAVE SOLUTIONS. HERE ARE SOME REASONS FOR THIS:

- 1) Not enough information is given**
- 2) The given facts lead to an unrealistic result. (It might fit mathematically, but leads to an unrealistic solution)**
- 3) The given facts are contradictory. (They info conflicts with each other.)**

Example 1

On a trip of 210 km, Roberto went by train for 3 hours and by bus for the rest of the trip. The average speed of the train was 15km/h more than that of the bus. Find the average speed of the bus.

Example 2

Angela says she has the same number of nickels as dimes. Three times the value of the dimes is equal to 20 cents more than six times the value of the nickels. How many of each kind does she have?

Example 3

A bank teller cashes a check for \$100 and gives the customer the same number of \$10 bills and \$20 bills. How many of each type of bill will the customer get?