

Sometimes it helps to temporarily change unknown values (variables) to numbers that are easy to work with. Remember what you changed in order to solve the problem, then change it to the variable.

Two Step Story Problem Equations

For each problem, set up and solve a 2-step equation.

1. Suppose you earn \$4 an hour for babysitting, and pay \$1 bus fare each way. You want to buy a t-shirt for \$25. How many hours must you babysit?

Equation:

Hours =

2. Frieda, a cab driver, rents her cab from Wyandotte Taxi for \$50 a day. If she makes an average of \$6 each time she picks up a passenger, how many passengers must she pick up to make a \$75 profit?

Equation:

Passengers =

3. Suppose you have \$20 to spend at the local carnival. Admission is \$5.50 and rides are \$1.50 each. How many rides can you try?

Equation:

Rides =

4. Teddy's Pizza promises to subtract \$.25 for every minute over 20 your delivery is late. You order 2 pizzas for \$ 7.00 each and breadsticks for \$3.00 and pay only \$14.25. How many minutes was the pizza late?

Equation:

Minutes =