

Name: _____

Date: _____

Class: _____

6.3 Write and Solve two steps equations $px+q=r$

Spent /earn	Increasing/decreasing	Ascending	every	Descending	Plus / minus	end
each	Per	fee	fee	total		
.....	$x \pm$

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You can complete your homework online.

Write a two-step equation to represent each problem. Then solve the problem.

1.

Easton went to a concert with some of his friends. The tickets cost \$29.50 each, and they spent a total of \$15 on parking. The total amount spent was \$133. Determine how many people went to the concert. (Example 1)

2.

Ishi bought a \$6.95 canvas and 8 tubes of paint. She spent a total of \$24.95 on the canvas and paints. Determine the cost of each tube of paint. (Example 1)

3.

A taxi service charges \$1.50 plus \$0.60 per mile for a trip to the airport. The total charge is \$13.50. Determine how many miles it is to the airport. (Example 1)

4.

At the market, Meyer buys a bunch of bananas for \$0.65 per pound and a frozen pizza for \$4.99. The total for his purchase was \$6.94, without tax. Determine how many pounds of bananas Meyer bought. [\(Example 1\)](#)

5.

A hot air balloon is at an altitude of $100\frac{1}{5}$ yards. The balloon's altitude decreases by $10\frac{4}{5}$ yards every minute. Determine the number of minutes it will take the balloon to reach an altitude of 57 yards. [\(Example 2\)](#)

6.

The current temperature is 48°F. It is expected to drop 1.5°F each hour. Determine in how many hours the temperature will be 36°F. [\(Example 2\)](#)

7.

Mariko and her friend spent \$24.50 on lunch. Their lunches cost the same amount, and they used a \$4 off coupon. Determine the cost of each lunch. [\(Example 2\)](#)