

Name _____

Date _____

Word Problems Leading to Equations - Step-by-Step Lesson

Lesson 1 : Problems at the Market

1. Nicholas goes to the market. He purchased some plates and cups for \$60. He purchased blue plates for \$24. He also bought 2 mugs, one for each of his children. Both mugs cost the same amount. Write an equation to help determine the price of one mug.



Explanation:

Nicholas spent \$60. \$24 went to the plates. She bought 2 mugs of equal price.

The equation is

$$24 + x + x = 60$$

$$24 + 2x = 60$$

$$2x = 60 - 24$$

$$2x = 36$$

$$X = 36/2$$

$$X = 18$$

So the price of one mug is \$18.

