Multi-Step Word Problem Practice Name _____

1. You want to buy a bouquet of yellow roses and baby's breath for $19.25. The baby's breath costs $3.50 per bunch, and the roses cost $2.25 *each*. You want 1 bunch of baby's breath and some roses for your bouquet. How many roses can you buy?

2. Suppose you want to buy one pair of pants and several pairs of socks. The pants cost $24.95, and the socks are $5.95 *per* pair. How many pairs of socks can you buy if you have $50.00 to spend?

3. If the width of a rectangle is 8 feet, and the length is represented by $(x + 4)$. Find x and the length, when the area is 128 square feet.

4. The sum of three consecutive numbers is 72. Write and equation and solve to find the smallest of these numbers?

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1. You want to buy a bouquet of yellow roses and baby's breath for $19.25. The baby's breath costs $3.50 per bunch, and the roses cost $2.25 *each*. You want 1 bunch of baby's breath and some roses for your bouquet. How many roses can you buy?

Let r = roses you can buy

$3.50 + 2.25r = 19.25$

$-3.50 \quad -3.50$

$2.25r = 15.75$

$\frac{2.25r}{2.25} = \frac{15.75}{2.25}$

$r = 7$

You can buy 7 roses

2. Suppose you want to buy one pair of pants and several pairs of socks. The pants cost $24.95, and the socks are $5.95 *per* pair. How many pairs of socks can you buy if you have $50.00 to spend?

Let c = pairs of socks you can buy

$24.95 + 5.95c = 50$

$-24.95 \quad -24.95$

$5.95c = 25.05$

$\frac{5.95c}{5.95} = \frac{25.05}{5.95}$

$c = 4.21\ldots$

You can buy 4 pair of socks

3. If the width of a rectangle is 8 feet, and the length is represented by (x + 4). Find x and the length, when the area is 128 square feet.

$8 \cdot (x+4) = 128$

$8x + 32 = 128$

$-32 \quad -32$

$\frac{8x}{8} = \frac{96}{8}$

$x = 12$

Width 8

x+4 Length

x = 12 ft

Length = 16 ft

4. The sum of three consecutive numbers is 72. Write and equation and solve to find the smallest of these numbers?

Let x = 1st #

Let x+1 = 2nd #

Let x+2 = 3rd #

$x + x+1 + x+2 = 72$

$3x + 3 = 72$

$-3 \quad -3$

$\frac{3x}{3} = \frac{69}{3}$

$x = 23$

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