

## Answer on Question #78119 – Math – Algebra

### Question

Floyd is an aspiring music artist. He has a record contract that pays him a base rate of \$200 a month and an additional \$12 for each album he sells. Last month he earned a total of \$644. Write an equation to determine the number of albums ( $a$ ) Floyd sold last month. Find the number of albums Floyd sold last month.

### Solution

Number of albums is equal to

$$a = \frac{T - BR}{E},$$

where  $T$  is total of month;

$BR$  is the base rate of month;

$E$  is the payment for each album he sells.

Then

$$a = \frac{644 - 200}{12} = 37 \text{ (albums)}$$