

## Answer on Question #58482 – Math – Algebra

### Question

One litre of milk costs N\$X in a supermarket. The cost of a six-pack of 100ml of fruit juice costs N\$15 more than the cost of one litre of milk. Hillman pays N\$ 95 for three one litre bottles of milk and two six-packs of fruit juice.

1. Write an equation in terms of  $x$ , representing this information.
2. What is the cost of one litre of milk?

### Solution

1.  $3x + 2(x + 15) = 95$ .

2.  $3x + 2(x + 15) = 95 \rightarrow 5x + 30 = 95 \rightarrow 5x = 65 \rightarrow x = 13$ .

**Answer:** 1.  $3x + 2(x + 15) = 95$ ; 2.  $x = 13$ .