Grade 7 Maths Worksheet

Functional relationships and algebraic equations

Questions:

1. Jonathan has R15 in his piggy bank. He needs money to buy the new Placebo CD, and decides to mow the lawns of his neighbours for R10 a household. Which equation best represents the money he will have after each lawn that he mows?

    A)   Money = 15 L + 10
    B)   Money = 15 + 10 L
    C)   Money + 15 = 10 L
    D)   Money = 10 L – 15

Solution

1. The amount that he had in his piggy bank was a constant R15. Thus the money will be the sum of the two: 15 + R10 per lawn mowed = 15 + 10L. Thus (B).

We do not know how many of the neighbours hired asked him to move their lawns, so this is the unknown quantity.

Appendix of Assignment Tools
Functional relationships
Algebraic equations