



**Grade:** 5th

**Subject:** Math

**Expectation(s):** Can use a letter to represent a number and solve one-variable algebraic equations.

**Materials needed:** Worksheet

**Teaching and learning tips/strategies:**

- Talk with your student about what a variable is, having them explain it in their own words. At this stage, many students will need help understanding that a variable is a symbol that represents an unknown number. One strategy for approaching the problems on this worksheet is to re-word the problems – for example, “find the number  $y$  so that  $42 + y = 57$ .”
- Don't forget to praise your student's efforts!

Solve each equation

1)  $42 + y = 57$

2)  $31 + 39 = 24 + y$

3)  $x - 32 = 49$

4)  $x + 19.98 = 30.14$

5)  $36 = a - 64$

6)  $31.5 = a - 34.4$

7)  $x + 76.31 = 164.89$

8)  $10b = 11$

9)  $n \div 12 = 3$

10)  $24 = 6a$

11)  $n \div 49 = 9$

12)  $28.4 = 7.1a$

13)  $7b = 42$

14)  $n \div 37 = 4$

15)  $n \div 27 = 9$