

What Is Solving and Explaining Two-Step Equations Involving Whole Numbers and Using Inverse Operations?

- An algebraic equation is an expression in which a letter represents an unknown number such as, n + 5 = 11 (n = 6).
- An inverse operation is one that "undoes" or reverses another. Addition and subtraction are inverse operations, and so are multiplication and division.
- Using an inverse operation allows us to calculate the value of the unknown number by moving all the known numbers to one side of the



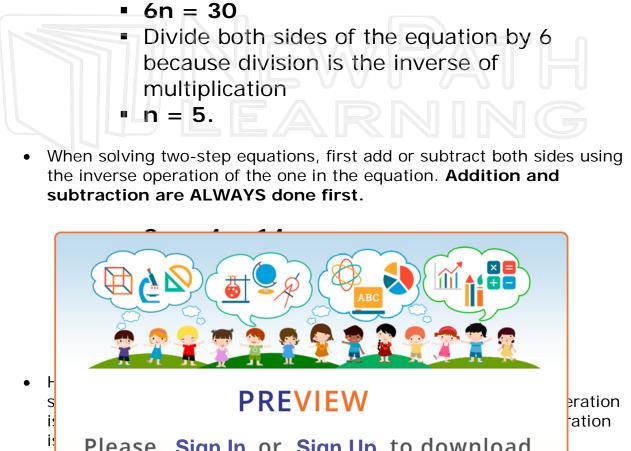
- n 6 = 4
- Add 6 to both sides of the equation because
- addition is the inverse of subtraction

• n = 10.

© Copyright NewPath Learning. All Rights Reserved. Permission is granted for the purchaser to print copies for non-commercial educational purposes only. Visit us at www.NewPathWorksheets.com.



 Just as addition and subtraction are inverse operations, so are multiplication and division. To solve this problem:



Please <u>Sign In</u> or <u>Sign Up</u> to download the printable version of this worksheet

- n = 128
- **5n + 5 = 20** (subtract 5 from both sides)
- 5n = 15 (divide both sides by 5)

n = 3

© Copyright NewPath Learning. All Rights Reserved. Permission is granted for the purchaser to print copies for non-commercial educational purposes only. Visit us at www.NewPathWorksheets.com.



Try This!



n/7 + 5 = 31





© Copyright NewPath Learning. All Rights Reserved. Permission is granted for the purchaser to print copies for non-commercial educational purposes only. Visit us at www.NewPathWorksheets.com.