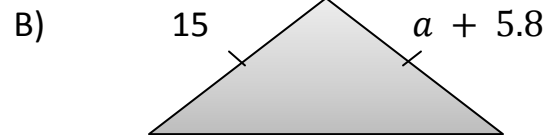


CCM 1 Unit 1: Lesson 2: One- and Two-Step Equations

Equations and Inequalities are solved by performing order of operations in reverse.

One way to solve an equations is to get the variable alone (**isolate the variable**) on one wide of the equal sign. You can do this using **inverse operations**, which are operations that undo one another. Addition and subtraction are inverse operations.

A) $x - 3 = -8$



C) $-6m = 42$

- D) A customer went to a garden shop and bought some potting soil for \$17.50 and 4 shrubs. The total bill was \$53.50. Write and solve an equation to find the price of each shrub.

E) $\frac{x}{4} = -8$

F) $2n - 5 = 7$

G)



H) $1 + \frac{a}{5} = -1$

CCM 1 Unit 1: Lesson 2: Graded Practice**Solve the equation. Use Separate Sheet of Paper and show your work!**

1. $y + (-6) = -9$

8. $-49 = x - 50$

2. $-7b = 21$

9. $d + 0.7 = 0.9$

3. $-5 = \frac{c}{7}$

10. $\frac{y}{4} = -10$

4. $2x - 26 = 10$

11. $-6 = \frac{x}{8} + 4$

5. $-15 + 3x = -9$

12. $11 = -d + 15$

6. $\frac{x}{5} + 9 = 4$

13. $2 = \frac{10 + z}{-3}$

7. $-3x + 6 = -9$

14. Jose has 9 more comic books than Robin. Robin has 5 more comic books than Lee.

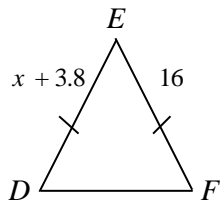
- If Jose has 23 comic books, how many comic books does Robin have?
- How many comic books does Lee have?

15. Tom saves \$5 each month. At this rate, how many months will he need to save \$20?

16. Uma wants to buy a video game system for \$270. She has \$60 and is saving \$30 each week. Solve the equation
- $30w + 60 = 270$
- to find how many weeks
- w
- it will take Uma to save enough to buy the system.

17. Brandon needs \$480 to buy a TV and stereo system for his room. He received \$60 in cash for birthday presents. He plans to save \$30 per week from his part-time job. To find how many weeks
- w
- it will take to have \$480, solve
- $60 + 30w = 480$
- .

18. The triangle below is isosceles with congruent sides
- \overline{DE}
- and
- \overline{EF}
- . Find the value of
- x
- .



- 19.

