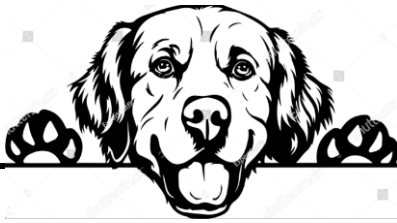
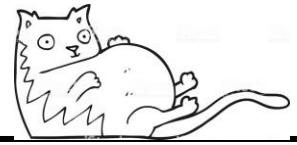


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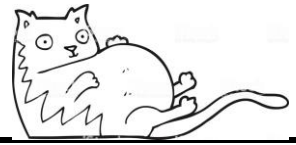
Solving Equations Study Guide



Solve the following Equations.

1.) $x + 5 = -10$	2.) $x - 7 = 9$	3.) $-x = 7$	4.) $2x = 12$
5.) $\frac{1}{2}x = 5$	6.) $\frac{x}{5} = 3$	7.) $\frac{3}{4}x = -6$	8.) $-\frac{1}{3}x = -2$
9.) $2x + 5 = 11$	10.) $\frac{1}{2}x - 3 = 5$	11.) $\frac{2}{5}x - 2 = 4$	12.) $2(x - 3) = 8$
13.) $\frac{1}{2}(2x - 6) = 3$	14.) $-2(x + 3) - 5 = 3$	15.) $3(x - 2) - 2x = 2x + 1$	16.) $\frac{3}{4}(4x - 8) = 6$

Solving Equations Study Guide



Solve the following Equations.

17.) $x + 2x + 1 = 3x + 2 + 3$

18.) $x + 2x + 3 + 3 = 3(x + 2)$

19.) $-2(x - 2) - 2 = -x + 2$

20.) Steven Alvarado decides to open a savings account with \$100 in order to save enough money to take his girlfriend to the Coachella Music Festival at the Empire Polo Fields starting on April 17th through the 19th. Each week after, he deposits another \$100. If each ticket costs \$450, how many weeks will it take for Steven to save enough money? Will he be able to attend?

Step 1: Underline any key information

Step 2: Define your variable.

Step 3: Write an equation

Step 4: Solve the equation:

Step 5: Answer in a complete sentence

21.) Mr. De La Cruz decides to reward his favorite periods by buying candy bars for all of his students. He already has 2 candy bars in his desk and needs a total of 100 bars. They are sold in packs of 12. How many more boxes of candy bars does he need to purchase for his students?