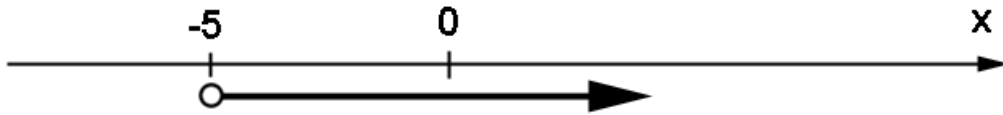




## Unit 4: Cumulative Review

1. Write the inequality that is represented by this graph.



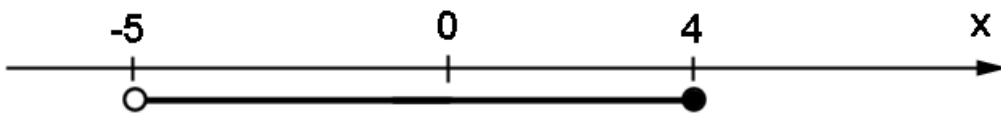

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2. Which of the following satisfy the inequality of problem 1?

{ -6, -5.01, -4.9, -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, 6 }

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3. What are the integers that satisfy this compound inequality?




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4. Solve this inequality and give you answer both algebraically and as a graph on a number line:  $5(x + 2) < 18$

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5. Solve this inequality and give you answer both algebraically and as a graph on a number line:  $-x - 2 \leq 11$

6. Solve  $(x + 2) - x - (4 - 5x) = 12$ .

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7. Solve  $2(v + 1) - 1 = 3(v - 4)$ .

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8. Use two unit multipliers to convert 8 gallons to pints. (4 quarts = 1 gallon, 2 pints = 1 quart)

9. Simplify  $3/5 - 1/7 + 6$ .

10. Convert 76.21 to percent.

11. Convert  $3/8$  to percent.

12. Convert .23% to a decimal fraction.

13. 150 is what percent of 200?

14. Simplify  $(2/3)(5/8) \div 3/4$ .

15. Work this problem on a calculator:

$$\begin{array}{r} .5 - 27 \\ \hline -11 + 2.09 \end{array}$$