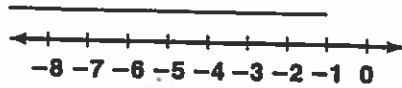


# Practice 6-6

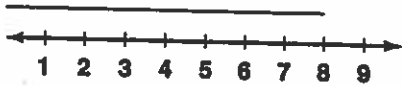
## Solving Inequalities by Multiplying or Dividing

Solve each inequality and graph the solutions.

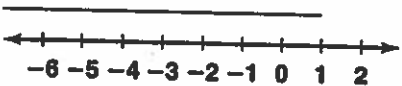
1.  $-5m < 20$



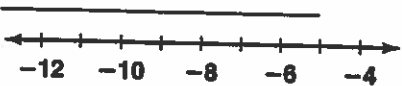
3.  $4v > 16$



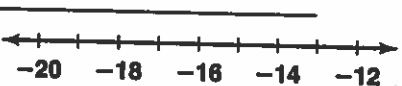
5.  $5a > -10$



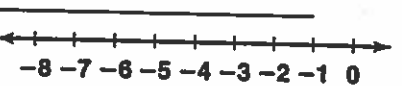
7.  $\frac{c}{-6} > 1$



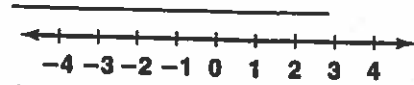
9.  $5d < -75$



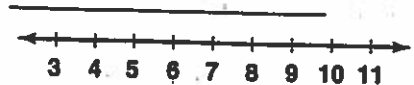
11.  $0.5n \geq -2.5$



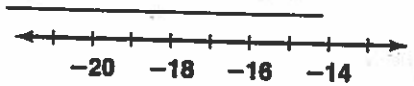
2.  $\frac{j}{6} \leq 0$



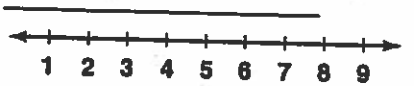
4.  $\frac{b}{2} < 4$



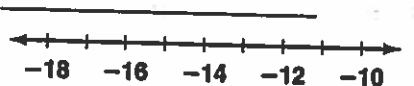
6.  $\frac{c}{-3} \geq 6$



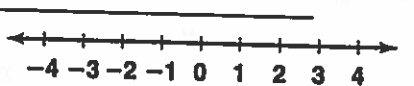
8.  $-4i \leq -16$



10.  $\frac{d}{12} < -1$



12.  $\frac{p}{0.2} \leq 10$



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Write an inequality for each problem. Solve the inequality. Then write the solution to the problem.

13. Dom wants to buy 5 baseballs. He has \$20. What is the most each baseball can cost?

14. A typing service charges \$5.00 per page. Mrs. Garza does not want to spend more than \$50 for the typing. What is the maximum number of pages she can have typed?

15. The tables at a restaurant can each seat 8 people. A dinner at the restaurant will be attended by 125 people. How many tables does the restaurant need in order for every person at the dinner to have a seat?

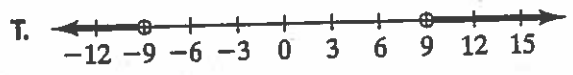
# Puzzle 6-6

## Solving Inequalities by Multiplying or Dividing

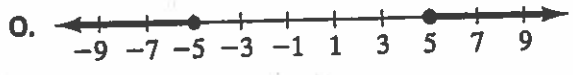
### What's My Line?

Match each absolute value with the graph of its solution. Then fill in the blanks below with the letters that match each number.

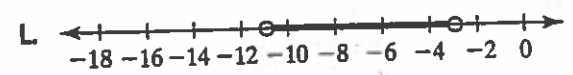
1.  $|x + 7| < 4$



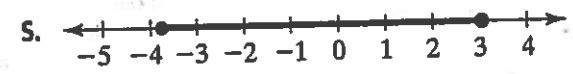
2.  $|x - 5| > 8$



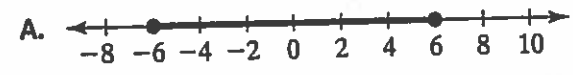
3.  $|5x| \geq 25$



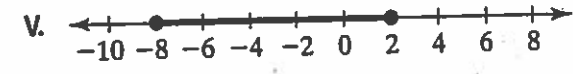
4.  $|2x| > 4$



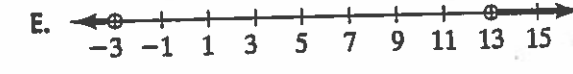
5.  $|2x - 5| > 11$



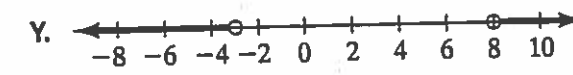
6.  $|3x + 1| \leq 10$



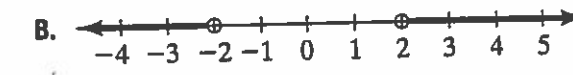
7.  $|\frac{1}{2}x| \leq 3$



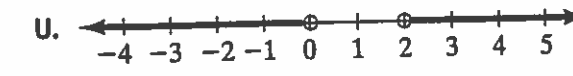
8.  $|\frac{2}{3}x| > 6$



9.  $|-4x + 4| > 4$



10.  $|-2x - 6| \leq 10$



Absolute values are

7 4 6 3 1 9 8 2 1 5 10 7 1 9 7 4 1 2