

Name \_\_\_\_\_

# 3-6B Lesson Master

**Questions on SPUR Objectives**  
See pages 178–179 for objectives.

## PROPERTIES Objective C

1. What value of  $k$  will make the statement true?

If  $x > y$  then  $kx < ky$ .

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2. What inequality results if both sides of  $7m \leq 14$  are multiplied by  $\frac{1}{7}$ ?

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3. What should both sides of  $\frac{2}{3}n > \frac{5}{6}$  be multiplied by to get  $n > \frac{5}{4}$ ?

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4. What should both sides of  $-5p \leq \frac{3}{5}$  be multiplied by to get  $p \geq \frac{3}{25}$ ?

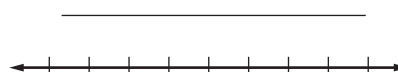
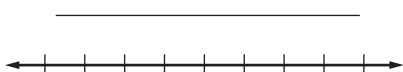
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## REPRESENTATIONS Objective C and F

In 5–19, solve the inequality and graph the solution.

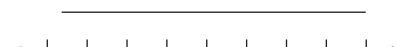
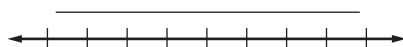
5.  $13a > -65$

6.  $-2c > 10$



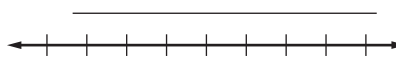
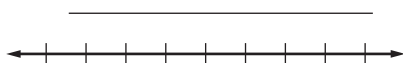
7.  $-\frac{3}{4}(2e - 6e) \geq 9$

8.  $24b \leq 3$



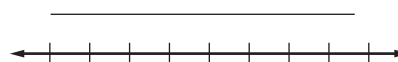
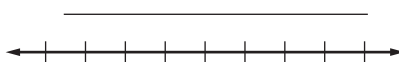
9.  $30 < \frac{2}{5}(d + 4d)$

10.  $-\frac{7}{4}f \leq 9 + 5$



11.  $15 > -2(3g)$

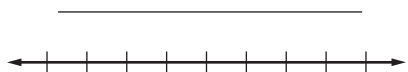
12.  $8(-6k) < 90 + 6$



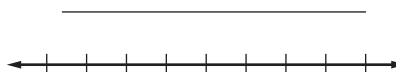
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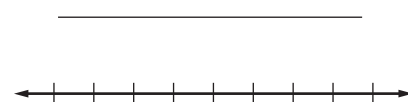
13.  $-1.8n < 7.2$



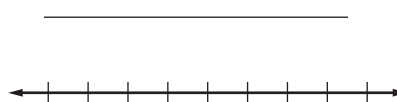
14.  $-7(-4h) \leq 56$



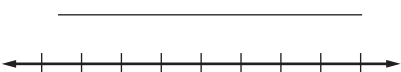
15.  $3.2m \geq -17.28$



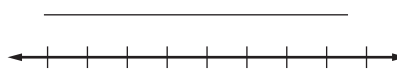
16.  $0.2p \leq 8.1 - 6.4$



17.  $-8r + 5r > 11 + 4$



18.  $t - \frac{1}{4}t < 9$



19.  $6 + 8 > 7w$

