# **INTERMEDIATE ALGEBRA**

#### **Chapter 2 SOLVING LINEAR EQUATIONS**

PowerPoint Image Slideshow



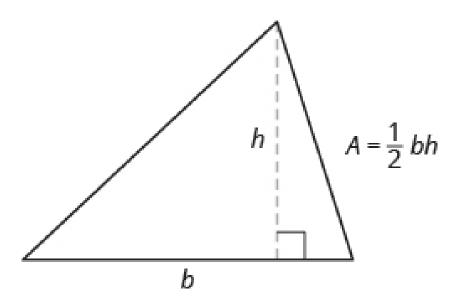




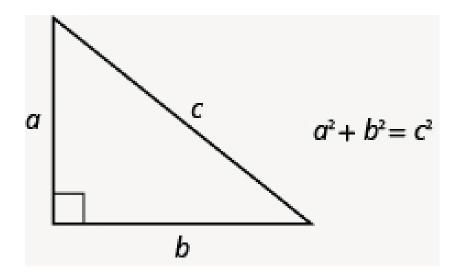


This drone is flying high in the sky while its pilot remains safely on the ground. (credit: "Unsplash" / Pixabay)

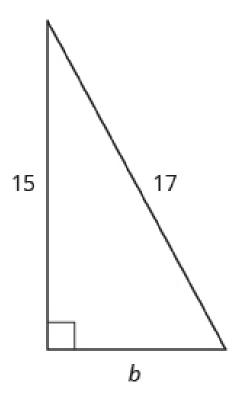




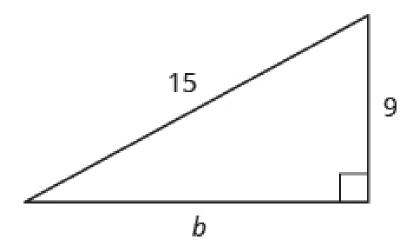








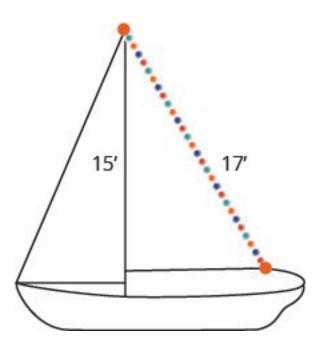


















Туре	Number • Value (\$) = Total Value (\$)		

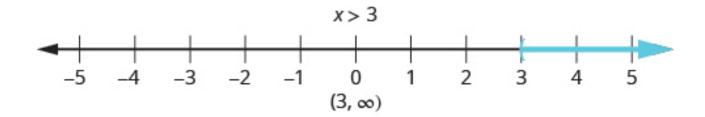


Child tickets	Adult tickets	
20	80	
45	55	
75	25	
x	100 – x	



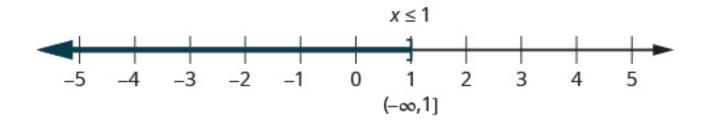
Rate	• Time =	= Distance





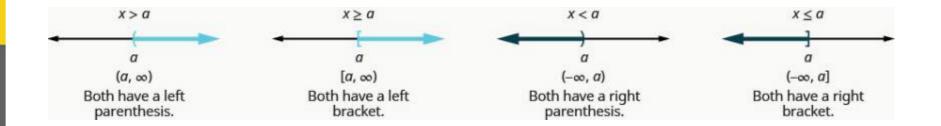
The inequality x > 3 is graphed on this number line and written in interval notation.



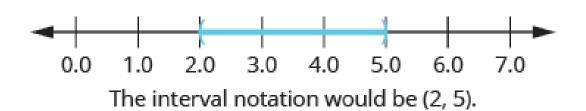


The inequality  $x \le 1$  is graphed on this number line and written in interval notation.











$$-4 < 2$$
  $-4 < 2$   
 $-4 - 5 < 2 - 5$   $-4 + 7 < 2 + 7$   
 $-9 < -3$  True  $3 < 9$  True



$$10(5) < 15(5)$$
  $\frac{10}{5} < \frac{15}{5}$ 

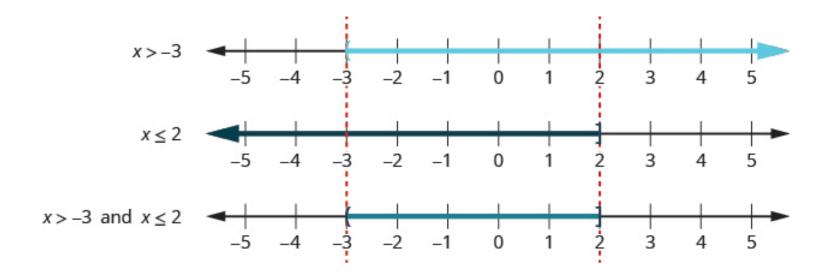


$$10 < 15$$
  $10 < 15$   
 $10(-5)$  ?  $15(-5)$   $\frac{10}{-5}$  ?  $\frac{15}{-5}$   
 $-50$  ?  $-75$   $-2$  ?  $-3$   
 $-50 > -75$   $-2 > -3$ 

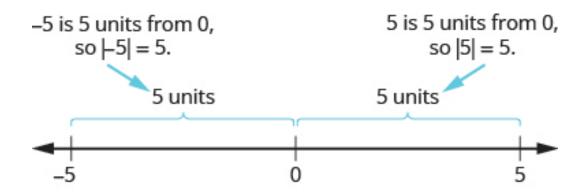






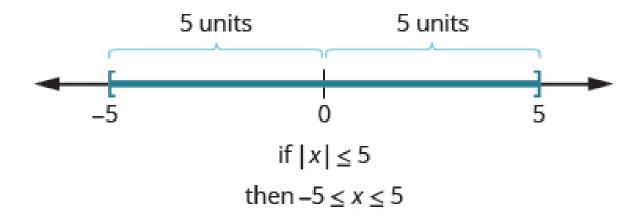




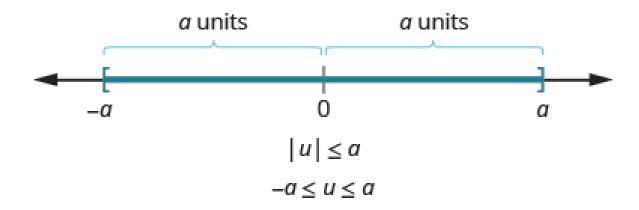


The numbers 5 and -5 are both five units away from zero.

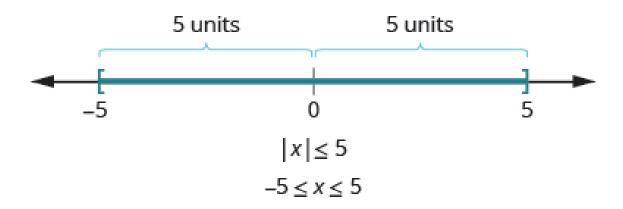




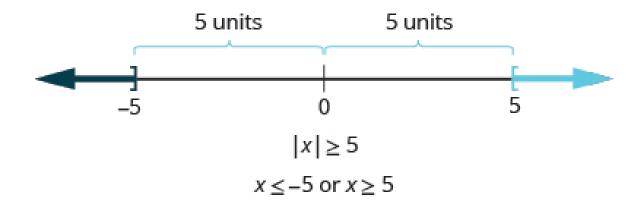




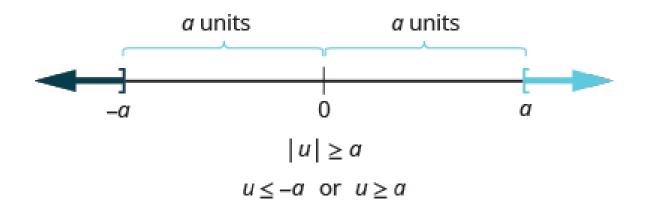














This OpenStax ancillary resource is © Rice University under a CC-BY 4.0 International license; it may be reproduced or modified but must be attributed to OpenStax, Rice University and any changes must be noted.