

Chapters 1–4 Answers (continued)

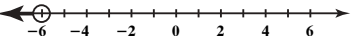
Enrichment 4-7

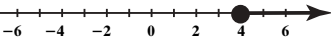
1. 13 years $\leq x \leq 14$ years; 90 lb $\leq x < 95$ lb
 2. Midget; two 90-second periods
 3. 15 years $\leq x \leq 16$ years
 4. Bantam division

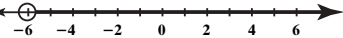
Puzzle 4-7

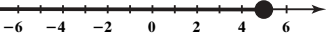
1. T 2. O 3. S 4. M 5. A 6. L
 TOO SMALL

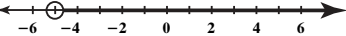
Practice (regular) 4-8

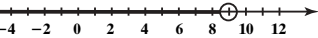
1. $w < -6$ 

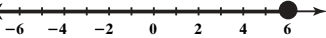
2. $a \geq 4$ 

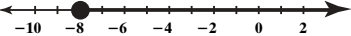
3. $a > -6$ 

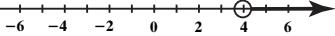
4. $x \leq 5$ 

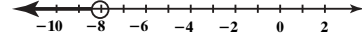
5. $a > -5$ 

6. $t < 9$ 

7. $r \leq 6$ 

8. $a \geq -8$ 

9. $h > 4$ 


10. $y < -8$ 

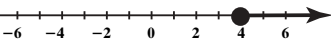
11. $x + 44 > 85; x > 41$; Lawrence needs to score more than 41 points.
 12. $x + 12,500 \leq 16,000; x \leq 3,500$; you can not load more than 3,500 pounds on the truck.

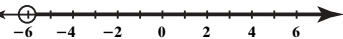
Guided Problem Solving 4-8

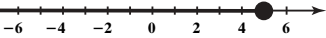
1. give you \$35; \$100
 2. Find how much money you need to save to buy the scooter.
 3. ≥ 100
 4. $s + 35$
 5. at least \$100
 6. $s + 35 \geq 100$
 7. $s \geq 65$
 8. at least \$65
 9. \$100
 10. $h + 36 \geq 42; h \geq 6$ in.

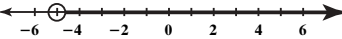
Practice (adapted) 4-8

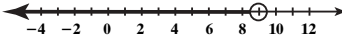
1. $w < -6$ 

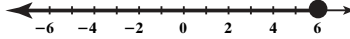
2. $a \geq 4$ 

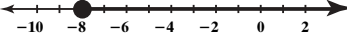
3. $a > -6$ 

4. $x \leq 5$ 

5. $a > -5$ 

6. $t < 9$ 

7. $r \leq 6$ 

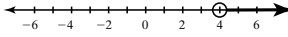
8. $a \geq -8$ 

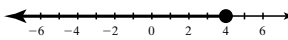
9. $x + 44 > 85; x > 41$; Lawrence needs to score more than 41 points.

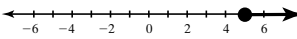
Activity Lab 4-8

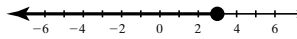
1. $x \geq 2$ 2. $x \geq 2$ 3. $x \geq 1$ 4. $x \leq -5$ 5. $x \geq -3$ 6. $x \leq -5$
 7. Check students' graphs and answers.

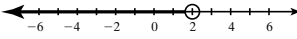
Reteaching 4-8

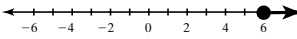
1. $a > 4$ 

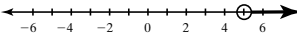
2. $w \leq 4$ 

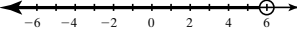
3. $a \geq 5$ 

4. $w \leq 3$ 

5. $y < 2$ 

6. $g \geq 6$ 






7. $x > 5$ 

8. $r < 6$ 

Enrichment 4-8

- 1–5. Sample answers are given. 1. $6 + 6 \geq 12$ 2. $-2 + 4 < 3$
 3. $6 - 4 < 3$ 4. $3 + 3 > 4$

5. Complete the key with the correct symbol.

	means 12		means 6		means -2
	means 4		means 3		

Puzzle 4-8

1. $160 + x \leq 500$ 2. $x + 1 > 3$ 3. $x + 14 \leq 25$ 4. $x + 57 \leq 160$
 5. $9,400 + x > 15,000$ 6. $273 - x \leq 250$