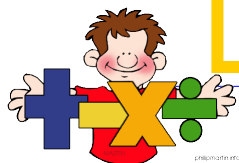


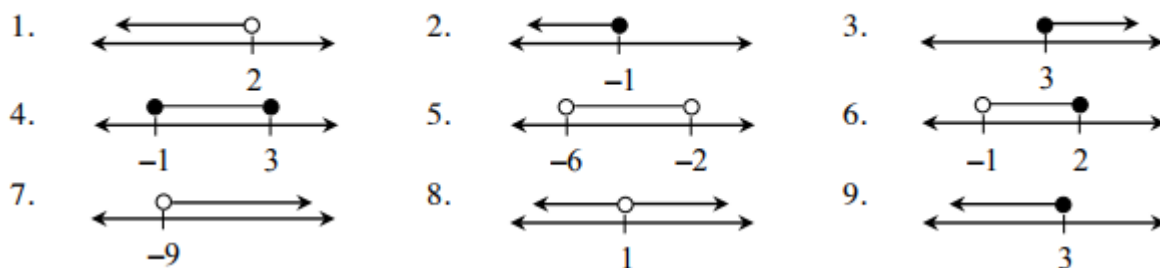
# Math Connections



## Math Course 1—Week 6 Answers

### Graphing and Solving Inequalities 7.3.4 Answers

#### Answers



#### Answers

- |                |               |                |                |            |
|----------------|---------------|----------------|----------------|------------|
| 1. $x > -4$    | 2. $y \leq 8$ | 3. $x \geq 2$  | 4. $m \geq -4$ | 5. $y < 5$ |
| 6. $m \geq -3$ | 7. $x < 3$    | 8. $m \geq -5$ | 9. $m \leq 3$  |            |

### Measures of Central Tendency 8.1.1 and 8.1.2 Answers

#### Answers

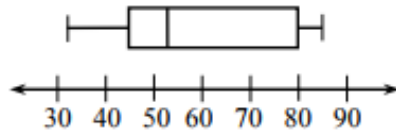
- |                          |                            |                           |                            |
|--------------------------|----------------------------|---------------------------|----------------------------|
| 1. 30.57                 | 2. $30\bar{3}$             | 3. $86.\bar{13}$          | 4. $106.\bar{6}$           |
| 5. median 30;<br>range 8 | 6. median 28.5;<br>range 9 | 7. median 82;<br>range 47 | 8. median 107;<br>range 27 |
| 9. 98                    | 10. 61                     | 11. 3754                  | 12. 14                     |

Graphical Representations of Data 8.1.4 and 8.1.5 Answers

**Answers**

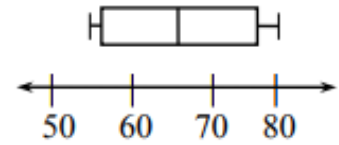
1.

3	2
4	5 6 7
5	2
7	5
8	0 3 5



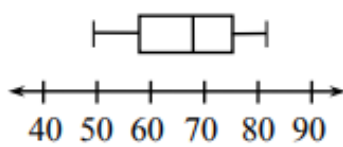
2.

5	4 5 6
6	2
7	2 5
8	0 0



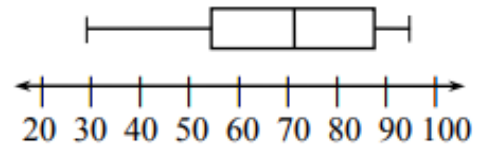
3.

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



4.

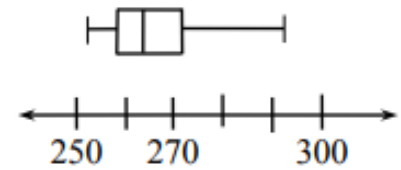
2	9
3	5
4	8
5	7 8
6	5 8
7	3 4
8	5 6 7 8
9	1 4 7



5.

25	3 7 9
26	0 3 4 4 5 7 9
27	3 5
28	
29	1

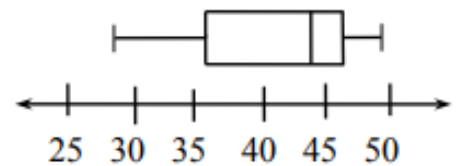
Mean: 266.15  
Median: 264  
Range: 38



6.

2	8 9 9
3	4 5 7 8
4	1.25 2 3 5 5 6 6 6.25 6.5 6.5 7.75 8 8 9

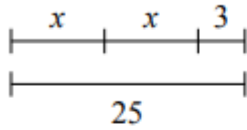
Mean: 41.4405  
Median: 43  
Range: 21



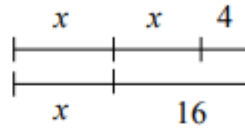
**Problems**

Write an equation that represents each situation and then find the value of the variable.

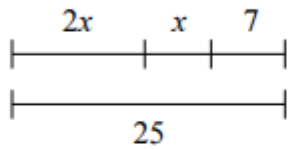
1.



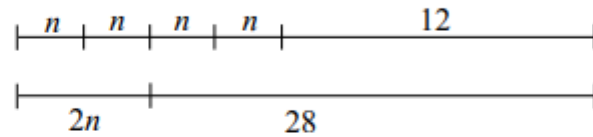
2.



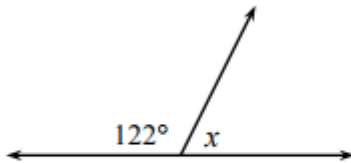
3.



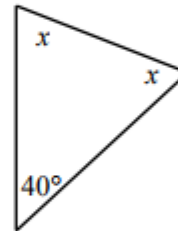
4.



5.



6.



Solve each equation.

7.  $x + 7 = -9$

8.  $y - 2 = -3$

9.  $-3y = 24$

10.  $\frac{m}{2} = -6$

11.  $3x + 2 = 11$

12.  $4x + x + 5 = 25$

13.  $m + 2m + 7 = m + 11$

14.  $x + 9 + x + x = 30$

15.  $3 - y = 9$

16.  $4k + 1 = -7$

17.  $x + 3x + x + 7 = 52$

18.  $3m + 7 = m + 11$

19.  $2(y + 3) = -12$

20.  $3(c + 2) + c + 1 = 57$