

**Test - Unit #3 (REVIEW)**

*Find the value of the expression.*

1.  $4m + 7 - 5$  if  $m = 5$ 
  - a. 28
  - b. 43
  - c. 22
  - d. 8

*Evaluate using order of operations.  
All fraction answers need to be simplified.  
PEMDAS*

2.  $\left(\frac{3}{4}\right)^2 + \frac{1}{8}$
3.  $6^3 - 58 + (16 - 1)^2$
4.  $25.68 \div 10.7 + 9.5 \times 9.1$

*Evaluate. Round to the nearest tenth.*

5.  $0.8^2$

*Solve each equation.*

6.  $x - 1 = -11$

7.  $-15 + 2x = 11$

8.  $\frac{x}{-3} = -7$

9.  $-15x = -120$

10.  $-\frac{5}{12}x = -\frac{3}{8}$

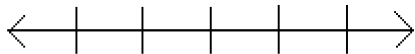
11.  $9 + x = -15$

***Evaluate.***

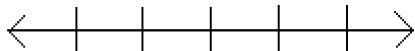
12.  $\left(\frac{7}{9}\right)^3$

***Graph each inequality.***

13.  $y \geq -16$

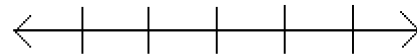


14.  $g < 13$

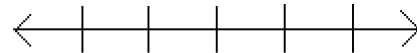


***Solve and graph each inequality.***

15.  $x - 4 \geq 13$



16.  $9k \leq 63$



***Simplify each algebraic expression.***

17.  $-7(2g - 5) + 5g - 9$

**Test - Unit #3 (REVIEW)****Answer Section**

1. C
2.  $11/16$
3. 383
4. 88.85
5. 0.6
6. -10
7. 13
8. 21
9. 8
10.  $9/10$
11. -24
12.  $343/729$
13. Shaded in point on -16, arrow pointing to the right
14. Point not shaded in on 13, arrow pointing to the left
15.  $x \geq 17$   
Point Shaded In  
Arrow to the Right
16.  $k \leq 7$   
Point Shaded In  
Arrow to the Left
17.  $-9g+26$