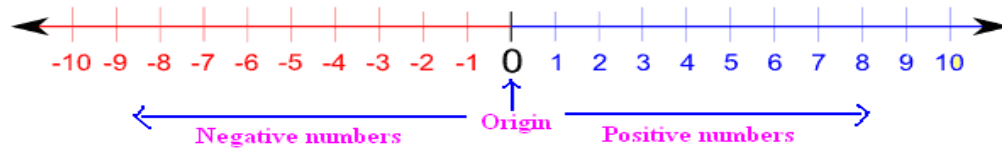


Pre-Algebra MATH Brush-Up Session

If you placed into MATH 70 or a higher-level course, this might be useful for you

Integers



Simplify.

1. $-34 + (-7)$

2. $10 + (-9) + (-8) + 7$

3. $-67 - 13$

4. $-2 - (-10)$

5. $-\frac{2}{3} + \frac{1}{12}$

6. $72(-4)$

7. $(-8)(-12)$

8. $35 \div (-5)$

9. $\frac{2}{3} \cdot \frac{-3}{7}$

10. $-7\frac{7}{8} \div \frac{3}{2}$

11. Evaluate $24 \div t^3$ if $t = -2$

12. Evaluate $-80 \div 2a^2$ for $a = 2$

Simplify.

13. $(120 - 6^2) \div 4 \cdot 8$

14. $120 - 6^2 \div |-4| \cdot 8$

15. $36 \div (-2)^2 + 4 [5 - 3(8 - 9)^5]$

16. $\frac{-3^3 - 2 \cdot 3^2}{8 \div 2^2 - (6 - |2 - 15|)}$

Simplify by combining like terms.

17. $11a + 2b + (-4a) + (-3b)$

18. $2a + 5a - (6a + 8)$

19. $3x^2 + 11 - (2x^2 + 5)$

Answer Key:

1. -41	2. 0	3. -80	4. 8	5. $-\frac{7}{12}$	6. -288	7. 96
8. -7	9. $-\frac{2}{7}$	10. $-5\frac{1}{4}$	11. -3	12. -160	13. 168	14. 48
15. 41	16. -5	17. $7a - b$	18. $a - 8$	19. $x^2 + 6$		

Need more help? Check out these ModumathAlgebra Lessons #5.1-5.6

<http://modumath.org/mm/GraysHarbor.html>