Health Care Math

Pre-Algebra Basics

1. Write the opposite of each integer
(Similar to p.136 #1-5)

-19

2. Write the opposite of each integer
(Similar to p.136 #1-5)

10

3. Compare the following with <, >, or =
(Similar to p.137 #1-5)

$+2 \_\_\_ -15$

4. Compare the following with <, >, or =
(Similar to p.137 #1-5)

$-8 \_\_\_ -3$

5. Compare the following with <, >, or =
(Similar to p.137 #1-5)

$-2 \_\_\_ -2$

6. Write the absolute value of the following
(Similar to p.138 #1-5)

$$|-8|$$

7. Write the absolute value of the following
(Similar to p.138 #1-5)

$$|12|$$

8. Combine the numbers
(Similar to p.139 #1-10, p.140 #1-10, p.141 #1-10)

$$3+2$$

9. Combine the numbers
(Similar to p.139 #1-10, p.140 #1-10, p.141 #1-10)

$$-6+(-2)$$

10. Combine the numbers
(Similar to p.139 #1-10, p.140 #1-10, p.141 #1-10)

$$(-3)+(-4)+(-8)$$

11. Combine the numbers
(Similar to p.139 #1-10, p.140 #1-10, p.141 #1-10)

$$5+(-2)$$

12. Combine the numbers
(Similar to p.139 #1-10,
p.140 #1-10, p.141 #1-10)

$$-4+12$$

13. Combine the numbers
(Similar to p.139 #1-10,
p.140 #1-10, p.141 #1-10)

$$3+(-2)+(-15)$$

14. Combine the numbers
(Similar to p.139 #1-10,
p.140 #1-10, p.141 #1-10)

$$5-(-7)$$

15. Combine the numbers
(Similar to p.139 #1-10,
p.140 #1-10, p.141 #1-10)

$$-8-(-12)$$

16. Combine the numbers
(Similar to p.139 #1-10,
p.140 #1-10, p.141 #1-10)

$$-4-(-2)-(+7)$$

17. Multiply the numbers
(Similar to p.142 #1-10)

$$-4(5)$$

18. Multiply the numbers
(Similar to p.142 #1-10)

$$-3(-1)(-8)$$

19. Divide the numbers
(Similar to p.143 #1-10)

$$\frac{20}{-5}$$

20. Divide the numbers
(Similar to p.143 #1-10)

$$\frac{-49}{-7}$$

21. Complete the chart:
(Similar to p.144 #1-10)

Exponential Notation	Factor form/repeated multiplication	Standard Form
2^3		

22. Complete the chart:
(Similar to p.144 #1-10)

Exponential Notation	Factor form/repeated multiplication	Standard Form
	(3)(3)(3)(3)	

23. Complete the chart:
(Similar to p.144 #1-10)

Exponential Notation	Factor form/repeated multiplication	Standard Form
		27

24. Write each number in scientific notation
(Similar to p.145 #1-6)

$70{,}100$

25. Write each number in scientific notation
(Similar to p.145 #1-6)

0.0724

26. Write each number in standard form
(Similar to p.146 #1-6)

2.31×10^{3}

27. Write each number in standard form
(Similar to p.146 #1-6)

5.2×10^{-4}

28. Determine the square root of each
(Similar to p.146 #1-10)

$\sqrt{4}$

29. Determine the square root of each
(Similar to p.146 #1-10)

$\sqrt{25}$

30. Solve the following operations
(Similar to p.147 #1-10)

$$(5+3)\div 4$$

31. Solve the following operations
(Similar to p.147 #1-10)

$$3\times(15-5)+4$$

32. Solve the following operations
(Similar to p.147 #1-10)

$$8-21\div 3+2$$

33. Use substitution to evaluate these expressions. Let a = 3, b = 4, and c =2
(Similar to p.150 #1-5)

$$5a^2$$

34. Use substitution to evaluate these expressions. Let a = 3, b = 4, and c =2
(Similar to p.150 #1-5)

$$abc-c^2$$

35. Solve the equation
(Similar to p.153 #1-10)

$$x+3.2=70$$

36. Solve the equation
(Similar to p.153 #1-10)

$$x - 7 = 32.1$$

37. Solve the equation
(Similar to p.153 #1-10)

$$-3.2x = 16$$

38. Solve the equation
(Similar to p.153 #1-10)

$$\frac{x}{3} = -2.1$$