



# NOTES



## INTEGERS #5

### I. REVIEW DRILLS

**DIRECTIONS:** Solve the following using **zero pairs**.

1.)  $5 + (-7) =$

2.)  $-7 + 6 =$

3.)  $-1 + (-5) =$

**DIRECTIONS:** Solve the following using a **number line**.

4.)  $5 + (-2) =$

5.)  $0 + (-4) =$

6.)  $-1 + (-2) =$

7.)  $6 - 7 =$

8.)  $0 - 3 =$

9.)  $-1 - 2 =$

10.)  $1 - 3 =$

## II. MIXED DRILL

**DIRECTIONS:** Answer each of the following. Use any manner you wish.

1.)  $3 + (-3) =$

2.)  $0 - 4 =$

3.)  $-2 + 4 =$

4.)  $3 - 5 =$

5.)  $0 + 3 =$

6.)  $-4 - 1 =$

7.)  $2 + (-3) =$

8.)  $10 + (-7) =$

9.)  $-4 - 4 =$

10.)  $-22 + 20 =$

### III. ADDITION AND SUBTRACTION: THE SAME?

**DIRECTIONS:** Solve each of the following using a number line.

1.)  $5 + (-2) =$

2.)  $5 - 2 =$

3.)  $3 - 4 =$

4.)  $3 + (-4) =$

5.)  $4 + (-4) =$

6.)  $4 - 4 =$

#### IV. ADDITION AND SUBTRACTION PROPERTIES

**DIRECTIONS:** Solve each of the following word problems using a number line.

- 1.) Jeff loses \$5 (probably fell out of his pocket). He then received \$10 from his grandmother. How much money in all did he gain?
  
  
  
  
  
  
  
  
  
  
- 2.) Jane received \$10 from her grandmother, and spent \$5 on candy. How much money does Jane have left?
  
  
  
  
  
  
  
  
  
  
- 3.) The temperature one afternoon in February was  $5^{\circ}\text{F}$ . The temperature dropped  $4^{\circ}\text{F}$ . What was the new temperature?
  
  
  
  
  
  
  
  
  
  
- 4.) The temperature one afternoon in February was  $4^{\circ}\text{F}$ . The temperature dropped  $5^{\circ}\text{F}$ . What was the new temperature?
  
  
  
  
  
  
  
  
  
  
- 5.) Review your answers for questions 1 and 2. Are they similar or different? How? Is this surprising?
  
  
  
  
  
  
  
  
  
  
- 6.) Review your answers for questions 3 and 4. Are they similar or different? How? Is this surprising?

**V. PROBLEM SET**

Golf is scored in a funny way. The goal of golf is to get the lowest score possible, which makes sense because you want have the ball go in as few shots as possible. Each hole you are given a score: a positive integer if your score is too high, and a negative integer if your score is low. Curtis has score 1, -2, 3, -2, and -1 on the first five holes. What is his current score?

I know \_\_\_\_\_  
\_\_\_\_\_

The problem is asking me to \_\_\_\_\_  
\_\_\_\_\_

The steps I need to solve this problem are \_\_\_\_\_  
\_\_\_\_\_

Solve:

Complete Sentence: \_\_\_\_\_

In Duluth, Minnesota, the temperature at 6:00 AM on January 1<sup>st</sup> was  $-30^{\circ}\text{F}$ . During the next eight hours, the temperature rose  $38^{\circ}\text{F}$ . Then, during the next twelve hours the temperature dropped  $12^{\circ}\text{F}$ . Finally, in the next four hours it rose  $15^{\circ}\text{F}$ . What was the temperature at 6:00 AM on January 2<sup>nd</sup>?

I know

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The problem is asking me to

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The steps I need to solve this problem are

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Solve:

Complete Sentence:

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# Advance

Fill in the missing number.

1. _____ + 44 = 42	2. 38 + _____ = 65	3. $-15 + \underline{\hspace{2cm}} = -61$
4. _____ + $-21 = -30$	5. _____ + $-43 = -41$	6. $-40 + \underline{\hspace{2cm}} = -7$
7. 14 + _____ = 16	8. _____ + $-44 = -81$	9. _____ + $-9 = -26$
10. 42 + _____ = 65	11. _____ + $-28 = -32$	12. 17 + _____ = 19
13. _____ + $-18 = -32$	14. $-46 + \underline{\hspace{2cm}} = -72$	15. _____ + 4 = $-19$
16. $-3 + \underline{\hspace{2cm}} = 33$	17. _____ + $-16 = 30$	18. 2 + _____ = $-35$
19. 14 + _____ = 63	20. _____ + $-31 = 6$	21. $-4 + \underline{\hspace{2cm}} = 23$
22. _____ + $-10 = -12$	23. 11 + _____ = $-19$	24. _____ + 2 = 7
25. _____ + 24 = 6	26. 45 + _____ = 73	27. 38 + _____ = 58
28. _____ + $-29 = 1$	29. 12 + _____ = $-32$	30. _____ + 31 = 60
31. $-44 + \underline{\hspace{2cm}} = -15$	32. _____ + 24 = $-11$	33. $-9 + \underline{\hspace{2cm}} = -26$
34. _____ + 49 = 18	35. _____ + 10 = 33	36. $-16 + \underline{\hspace{2cm}} = -29$
37. 41 + _____ = 60	38. _____ + 4 = 26	39. _____ + 15 = 26

Name: \_\_\_\_\_

Date: \_\_\_\_\_

# HOMework



Section: \_\_\_\_\_

*“An ounce of practice is worth more than tons of preaching.” - Gandhi*

## INTEGERS #5

### I. REVIEW

**DIRECTIONS:** Answer each of the following. You must use and show either zero pairs or a number line to receive credit.

1.)  $2 + (-1) =$

2.)  $1 - 3 =$

3.)  $-1 + 3 =$

4.)  $2 - 4 =$

5.)  $0 + (-3) =$

6.)  $-3 - 2 =$

7.)  $1 + (-2) =$

8.)  $10 + (-6) =$

9.)  $-3 - 3 =$

10.)  $-8 + 2 =$



Find the quotient. Check your work by multiplying.

<b>1</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>8</b>	<b>5</b>	<b>2</b>

<b>1</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>0</b>

<b>4</b>	<b>3</b>	<b>2</b>	<b>9</b>	<b>5</b>	<b>0</b>	<b>4</b>

Find the prime factorization of each number below and write it using exponents.

86

72

\_\_\_\_\_

\_\_\_\_\_

86

80

\_\_\_\_\_

\_\_\_\_\_

**Round to the nearest ten or ten dollars.**

1. \$12	2. \$72	3. 59	4. 95
5. 13	6. 55	7. \$18	8. \$97
9. 75	10. 9,510	11. 11	12. \$6,770
13. \$94	14. 9,514	15. 4,617	16. 94,364
17. 15	18. \$78	19. 2,058	20. \$48,813