Review Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Unit 1 Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_\_\_\_\_\_\_\_

1. Correctly place each integer along the number line. Not all numbers will be used.

**5 , 15 , - 5 , -25 , - 10, 20 , -15**

22

**0**

**25**

What is the scale used? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. The table below shows the low temperatures (ºC) of several cities.

|  |  |
| --- | --- |
| City | Temperature  ºC |
| Boston | -15 |
| Lymon | -26 |
| Dallas | 8 |
| Beaumont | 6 |
| Chicago | -12 |

Which city listed above has the lowest temperature? \_\_\_\_\_\_\_\_

3. Draw a zero pair. What does it mean to have zero pair?

4. Simplify each using Algebra tiles:

a) 3 – 5 b) -2 + 3 c) -4 – 2

5. Identify each statement as **A** (*Always True)*, **S** (*Sometimes True),* or **N** (*Never True)*

about integers (*p* represents positive integers and *n* represents negative integers)

A.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

B.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

C.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

D.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. Jim kept a record of the weekly balance in his checking account. The balances for the last

four weeks were $ -8, $28, $54, and $13. What is the difference between the highest and

lowest balance?

7. List and explain the order of operations.

8. Simplify each expression.

a) b) c)

9. Ivette, Jose, and Courtney simplified the problem . Ivette’s answer was ,

Jose’s answer was  and Courtney’s answer was . Which student had the correct

answer? Justify your answer.

10. b is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and it represents the number of times a, the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is used as a factor.

11. Powers represent repeated \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

*Simplify the following*

12. - 1 + - 12 14. 6 - - 2 15. 16.

18. 19. 20. 21.

22. 23. 24. 25.

Simplify then Evaluate when a=2 and b=1.

26. 27.

28. 29.