**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_
Algebra Support Test 1 Number Sense Form B**

**Simplify each expression by combining like terms.**

|  |  |
| --- | --- |
| 1. 4p + 8p
 | 1.\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. 11 + 8$k^{2}$ + $k^{2}$
 | 2.\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. 3n + 2 + 6n + 7
 | 3.\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. 5r – r
 | 4.\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. 19r + 4 + 8r
 | 5.\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. 5v(v+3)
 | 6.\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. -3(3- 8b)
 | 7.\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. –6 + 3(b – 9)
 | 8.\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. -9(3 + 7x)
 | 9.\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. 2(1 + 9b) + 6(1 +2b)
 | 10.\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

11. Express  as a percent. 11. \_\_\_\_\_\_\_\_\_\_\_

1. 2.5% B. 250% C. 0.4% D. 40%

12. Express 0.305 as a percent. 12. \_\_\_\_\_\_\_\_\_\_\_

1. 0.305% B. 0.00305% C. 30.5% D. 3.05%

13. Express 12% as a fraction in simplest form. 13. \_\_\_\_\_\_\_\_\_\_\_

1.  B.  C.  D. 

14. Express 3.4% as a decimal. 14. \_\_\_\_\_\_\_\_\_\_\_\_

1. 340 B. 0.034 C. 0.34 D. 3.4

**Round these numbers to the nearest hundredth.**

15. 2.3487 15. \_\_\_\_\_\_\_\_\_\_\_

16. 4.799 16. \_\_\_\_\_\_\_\_\_\_\_

**Round these numbers to the nearest thousandth.**

17. 4.58547 17. \_\_\_\_\_\_\_\_\_\_\_

18. 0.64386 18. \_\_\_\_\_\_\_\_\_\_

**Multiple Choice.**

|  |  |
| --- | --- |
| 19. Which of the following does not show the Commutative Property of Addition?A. ab = ba B. 9 + x = x + 9C. 3x + 4y = 4y + 3x D. a + b = b + a | 1. \_\_\_\_\_\_\_\_\_\_\_
 |
| 20. Which property of Addition does 6 + 0 = 6 illustrate?A. Distributive Property B. Commutative PropertyC. Zero Property D. Identity Property | 1. \_\_\_\_\_\_\_\_\_\_\_
 |
| 21. Which property is used in the following expression? 4(3 + 2) = 12 + 81. Associative Property of Multiplication
2. Distributive Property
3. Associative Property of Addition
4. Commutative Property of Addition
 | 1. \_\_\_\_\_\_\_\_\_\_\_
 |
| 22. Which equation shows the Multiplicative Inverse of a Number? A. a x1 = a  B. a + -a = 0 C. a x (1/a) = 1 D. a x 0 = 0  |  22. \_\_\_\_\_\_\_\_\_\_\_\_ |
| 23. Which property is used in the following expression? (4 + a) + 6 = 6 + (4 + a)1. Associative Property of Addition
2. Commutative Property of Addition
3. Distributive Property
4. Associative Property of Multiplication
 | 1. \_\_\_\_\_\_\_\_\_\_\_
 |
| 24. Simplify this expression: 4( y + z)A. 4yz B. 4z +y C. 4y + 4z D. 4y + z | 1. \_\_\_\_\_\_\_\_\_\_\_
 |
| 25. Find the GCF of 48 and 56.A. 6 B. 8 C. 7 D. 12 | 1. \_\_\_\_\_\_\_\_\_\_
 |
| 26. What is the prime factors of 40?A.  B.  C.  D.  |  26. \_\_\_\_\_\_\_\_\_\_\_ |
| Factor each monomial.27. 18 28.    | 1. \_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_
 |
| Find the GCF29. 21, 42 30. 40, 60 | 1. \_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_
 |

**Simplify the Fraction.**

1. 32. 31. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 

32. \_\_\_\_\_\_\_\_\_\_\_\_\_

**Bonus: Put the following in order from least to greatest**🡪 $\frac{4}{5}, 33\%, .678, \frac{1}{8}$