

## Applying Properties of Operations

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

Apply the distributive property to produce an equivalent expression.

1)  $5B + 8 + 9 + 2B$

**Answers**

1. \_\_\_\_\_

2)  $5C + 8C + 7 + 4$

2. \_\_\_\_\_

3)  $8(8D + 4)$

3. \_\_\_\_\_

4)  $E + E + E + E + E$

4. \_\_\_\_\_

5)  $12F + 20$

5. \_\_\_\_\_

6)  $24G + 24$

6. \_\_\_\_\_

7)  $12 + 16H$

7. \_\_\_\_\_

8)  $20 + 8I$

8. \_\_\_\_\_

9)  $15J + 24$

9. \_\_\_\_\_

10)  $8K + 4$

10. \_\_\_\_\_

11)  $10 + 4L$

11. \_\_\_\_\_

12)  $7(9 + 10M)$

12. \_\_\_\_\_

13)  $N + N + N + N + N + N + N$

13. \_\_\_\_\_

14)  $12 + 14O$

14. \_\_\_\_\_

15)  $2(4 + 5P)$

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

16)  $7Q + 7 + 5 + 2Q$

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

17)  $24 + 24R$

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

18)  $35S + 35$

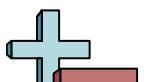
18. \_\_\_\_\_

19)  $70T + 21$

19. \_\_\_\_\_

20)  $42U + 49$

20. \_\_\_\_\_



## Applying Properties of Operations

Name: **Answer Key**

Apply the distributive property to produce an equivalent expression.

1)  $5B + 8 + 9 + 2B$

**Answers**

1. **7B+17**

2)  $5C + 8C + 7 + 4$

2. **13C+11**

3)  $8(8D + 4)$

3. **64D + 32**

4)  $E + E + E + E + E$

4. **5E**

5)  $12F + 20$

5. **4(3F + 5)**

6)  $24G + 24$

6. **24(1G + 1)**

7)  $12 + 16H$

7. **4(3 + 4H)**

8)  $20 + 8I$

8. **4(5 + 2I)**

9)  $15J + 24$

9. **3(5J + 8)**

10)  $8K + 4$

10. **4(2K + 1)**

11)  $10 + 4L$

11. **2(5 + 2L)**

12)  $7(9 + 10M)$

12. **63 + 70M**

13)  $N + N + N + N + N + N + N$

13. **7N**

14)  $12 + 14O$

14. **2(6 + 7O)**

15)  $2(4 + 5P)$

15. **8 + 10P**

16)  $7Q + 7 + 5 + 2Q$

16. **9Q+12**

17)  $24 + 24R$

17. **24(1 + 1R)**

18)  $35S + 35$

18. **35(1S + 1)**

19)  $70T + 21$

19. **7(10T + 3)**

20)  $42U + 49$

20. **7(6U + 7)**