



## Applying Properties of Operations

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

**Apply the distributive property to produce an equivalent expression.**

1)  $t + t + t + t + t + t + t + t$

**Answers**

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

2)  $40 + 20k$

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

3)  $8(8 + 4c)$

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

4)  $z + z + z + z + z + z + z + z$

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

5)  $2(6 + 10m)$

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

6)  $4(6y + 6)$

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

7)  $2(6r + 8)$

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

8)  $20 + 8b$

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

9)  $15 + 24j$

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

10)  $h + h + h + h + h + h + h + h + h$

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

11)  $2(5 + 2w)$

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

12)  $63s + 70$

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

13)  $p + p + p + p + p + p + p$

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

14)  $12a + 14$

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

15)  $8n + 10$

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

16)  $14 + 49g$

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

17)  $v + v + v + v + v + v + v + v + v$

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

18)  $7(5e + 5)$

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

19)  $7(10 + 3u)$

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

20)  $42 + 49d$

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



Apply the distributive property to produce an equivalent expression.

1)  $t + t + t + t + t + t + t + t$

**Answers**

1. **8t**

2)  $40 + 20k$

2. **20(2 + 1k)**

3)  $8(8 + 4c)$

3. **64 + 32c**

4)  $z + z + z + z + z + z + z + z$

4. **8z**

5)  $2(6 + 10m)$

5. **12 + 20m**

6)  $4(6y + 6)$

6. **24y + 24**

7)  $2(6r + 8)$

7. **12r + 16**

8)  $20 + 8b$

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

9)  $15 + 24j$

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

10)  $h + h + h + h + h + h + h + h + h$

10. **9h**

11)  $2(5 + 2w)$

11. **10 + 4w**

12)  $63s + 70$

12. **7(9s + 10)**

13)  $p + p + p + p + p + p + p$

13. **7p**

14)  $12a + 14$

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

15)  $8n + 10$

15. **2(4n + 5)**

16)  $14 + 49g$

16. **7(2 + 7g)**

17)  $v + v + v + v + v + v + v + v + v$

17. **9v**

18)  $7(5e + 5)$

18. **35e + 35**

19)  $7(10 + 3u)$

19. **70 + 21u**

20)  $42 + 49d$

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