



## Applying Properties of Operations

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

Apply the distributive property to produce an equivalent expression.

1)  $18 + 18h$

Answers

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

2)  $72 + 32r$

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

3)  $12 + 20p$

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

4)  $8(7 + 8m)$

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

5)  $2(3a + 4)$

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

6)  $f + f + f + f + f + f$

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

7)  $8(7v + 10)$

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

8)  $c + c + c + c + c + c + c$

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

9)  $9(6 + 4t)$

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

10)  $9(9y + 10)$

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

11)  $e + e + e + e + e + e + e + e$

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

12)  $7(4n + 9)$

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

13)  $3(5d + 4)$

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

14)  $k + k + k + k + k + k + k + k$

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

15)  $18u + 18$

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

16)  $60 + 18s$

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

17)  $21b + 15$

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

18)  $9(6j + 4)$

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

19)  $g + g + g + g + g + g + g + g + g$

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

20)  $z + z + z + z + z + z + z + z + z$

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



Apply the distributive property to produce an equivalent expression.

1)  $18 + 18h$

1.  **$18(1 + 1h)$**

2)  $72 + 32r$

2.  **$8(9 + 4r)$**

3)  $12 + 20p$

3.  **$4(3 + 5p)$**

4)  $8(7 + 8m)$

4.  **$56 + 64m$**

5)  $2(3a + 4)$

5.  **$6a + 8$**

6)  $f + f + f + f + f + f$

6.  **$6f$**

7)  $8(7v + 10)$

7.  **$56v + 80$**

8)  $c + c + c + c + c + c + c$

8.  **$7c$**

9)  $9(6 + 4t)$

9.  **$54 + 36t$**

10)  $9(9y + 10)$

10.  **$81y + 90$**

11)  $e + e + e + e + e + e + e + e$

11.  **$9e$**

12)  $7(4n + 9)$

12.  **$28n + 63$**

13)  $3(5d + 4)$

13.  **$15d + 12$**

14)  $k + k + k + k + k + k + k + k$

14.  **$8k$**

15)  $18u + 18$

15.  **$18(1u + 1)$**

16)  $60 + 18s$

16.  **$6(10 + 3s)$**

17)  $21b + 15$

17.  **$3(7b + 5)$**

18)  $9(6j + 4)$

18.  **$54j + 36$**

19)  $g + g + g + g + g + g + g + g + g$

19.  **$9g$**

20)  $z + z + z + z + z + z + z + z + z$

20.  **$9z$**

**Answers**