



## Applying Properties of Operations

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

Apply the distributive property to produce an equivalent expression.

1)  $18b + 72$

**Answers**

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

2)  $9 + 6c$

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

3)  $5 + 10d + 9 + 6d$

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

4)  $72e + 27$

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

5)  $80f + 80$

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

6)  $10(8 + 9g)$

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

7)  $12h + 30$

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

8)  $5(10i + 6)$

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

9)  $5(8j + 5)$

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

10)  $7(3k + 10)$

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

11)  $2 + 2m + 2m + 7$

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

12)  $n + n + n + n + n + n + n + n$

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

13)  $56 + 28p$

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

14)  $100r + 50$

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

15)  $2(9t + 9)$

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

16)  $27u + 36$

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

17)  $12v + 8$

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

18)  $2(7 + 8w)$

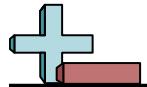
18. \_\_\_\_\_

19)  $y + y + y + y$

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

20)  $63 + 63z$

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



## Applying Properties of Operations

Name: **Answer Key**

Apply the distributive property to produce an equivalent expression.

1)  $18b + 72$

**Answers**

1.  $\underline{18(1b + 4)}$

2)  $9 + 6c$

2.  $\underline{3(3 + 2c)}$

3)  $5 + 10d + 9 + 6d$

3.  $\underline{16d + 14}$

4)  $72e + 27$

4.  $\underline{9(8e + 3)}$

5)  $80f + 80$

5.  $\underline{80(1f + 1)}$

6)  $10(8 + 9g)$

6.  $\underline{80 + 90g}$

7)  $12h + 30$

7.  $\underline{6(2h + 5)}$

8)  $5(10i + 6)$

8.  $\underline{50i + 30}$

9)  $5(8j + 5)$

9.  $\underline{40j + 25}$

10)  $7(3k + 10)$

10.  $\underline{21k + 70}$

11)  $2 + 2m + 2m + 7$

11.  $\underline{4m + 9}$

12)  $n + n + n + n + n + n + n + n$

12.  $\underline{8n}$

13)  $56 + 28p$

13.  $\underline{28(2 + 1p)}$

14)  $100r + 50$

14.  $\underline{50(2r + 1)}$

15)  $2(9t + 9)$

15.  $\underline{18t + 18}$

16)  $27u + 36$

16.  $\underline{9(3u + 4)}$

17)  $12v + 8$

17.  $\underline{4(3v + 2)}$

18)  $2(7 + 8w)$

18.  $\underline{14 + 16w}$

19)  $y + y + y + y$

19.  $\underline{4y}$

20)  $63 + 63z$

20.  $\underline{63(1 + 1z)}$

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0