



## Applying Properties of Operations

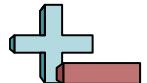
Name: \_\_\_\_\_

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

- 1)  $n + n + n + n + n + n + n$
- 2)  $24 + 80r$
- 3)  $20 + 80m$
- 4)  $e + e + e + e + e + e + e + e$
- 5)  $12t + 8$
- 6)  $60 + 18s$
- 7)  $60p + 42$
- 8)  $80 + 80d$
- 9)  $50 + 50g$
- 10)  $2(5 + 8b)$
- 11)  $y + y + y$
- 12)  $18u + 27$
- 13)  $18h + 14$
- 14)  $9(3v + 2)$
- 15)  $60 + 20w$
- 16)  $24z + 12$
- 17)  $6(7c + 4)$
- 18)  $15f + 35$
- 19)  $81 + 81a$
- 20)  $k + k + k + k + k + k + k + k$

**Answers**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_
13. \_\_\_\_\_
14. \_\_\_\_\_
15. \_\_\_\_\_
16. \_\_\_\_\_
17. \_\_\_\_\_
18. \_\_\_\_\_
19. \_\_\_\_\_
20. \_\_\_\_\_



## Applying Properties of Operations

Name: **Answer Key****Apply the distributive property to produce an equivalent expression.**

- 1)  $n + n + n + n + n + n + n$
- 2)  $24 + 80r$
- 3)  $20 + 80m$
- 4)  $e + e + e + e + e + e + e + e$
- 5)  $12t + 8$
- 6)  $60 + 18s$
- 7)  $60p + 42$
- 8)  $80 + 80d$
- 9)  $50 + 50g$
- 10)  $2(5 + 8b)$
- 11)  $y + y + y$
- 12)  $18u + 27$
- 13)  $18h + 14$
- 14)  $9(3v + 2)$
- 15)  $60 + 20w$
- 16)  $24z + 12$
- 17)  $6(7c + 4)$
- 18)  $15f + 35$
- 19)  $81 + 81a$
- 20)  $k + k + k + k + k + k + k + k$

**Answers**

1. **7n**
2. **8(3 + 10r)**
3. **20(1 + 4m)**
4. **9e**
5. **4(3t + 2)**
6. **6(10 + 3s)**
7. **6(10p + 7)**
8. **80(1 + 1d)**
9. **50(1 + 1g)**
10. **10 + 16b**
11. **3y**
12. **9(2u + 3)**
13. **2(9h + 7)**
14. **27v + 18**
15. **20(3 + 1w)**
16. **12(2z + 1)**
17. **42c + 24**
18. **5(3f + 7)**
19. **81(1 + 1a)**
20. **8k**