



Applying Properties of Operations

Name: _____

Apply the distributive property to produce an equivalent expression.

1) $8 + 6B$

Answers

1. _____

2) $C + C + C + C + C + C$

2. _____

3) $D + D + D + D + D + D + D$

3. _____

4) $63 + 27E$

4. _____

5) $F + F + F + F + F + F + F$

5. _____

6) $60 + 90G$

6. _____

7) $9H + 5H + 2 + 9$

7. _____

8) $20 + 50I$

8. _____

9) $9(4 + 10J)$

9. _____

10) $K + K + K + K + K + K + K + K + K$

10. _____

11) $2 + 9 + 5L + 3L$

11. _____

12) $9(7M + 8)$

12. _____

13) $10(2N + 6)$

13. _____

14) $18O + 63$

14. _____

15) $P + P + P + P + P + P + P + P + P$

15. _____

16) $54Q + 42$

16. _____

17) $60R + 18$

17. _____

18) $S + S + S + S + S + S + S + S$

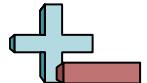
18. _____

19) $T + T + T + T + T + T + T + T$

19. _____

20) $30U + 21$

20. _____



Applying Properties of Operations

Name: **Answer Key**

Apply the distributive property to produce an equivalent expression.

- 1) $8 + 6B$ 1. **2(4 + 3B)**
- 2) $C + C + C + C + C + C$ 2. **6C**
- 3) $D + D + D + D + D + D + D$ 3. **7D**
- 4) $63 + 27E$ 4. **9(7 + 3E)**
- 5) $F + F + F + F + F + F + F$ 5. **7F**
- 6) $60 + 90G$ 6. **30(2 + 3G)**
- 7) $9H + 5H + 2 + 9$ 7. **14H+11**
- 8) $20 + 50I$ 8. **10(2 + 5I)**
- 9) $9(4 + 10J)$ 9. **36 + 90J**
- 10) $K + K + K + K + K + K + K + K$ 10. **9K**
- 11) $2 + 9 + 5L + 3L$ 11. **8L+11**
- 12) $9(7M + 8)$ 12. **63M + 72**
- 13) $10(2N + 6)$ 13. **20N + 60**
- 14) $18O + 63$ 14. **9(2O + 7)**
- 15) $P + P + P + P + P + P + P + P$ 15. **9P**
- 16) $54Q + 42$ 16. **6(9Q + 7)**
- 17) $60R + 18$ 17. **6(10R + 3)**
- 18) $S + S + S + S + S + S + S + S$ 18. **8S**
- 19) $T + T + T + T + T + T + T + T$ 19. **8T**
- 20) $30U + 21$ 20. **3(10U + 7)**

Answers