



Applying Properties of Operations

Name: _____

Apply the distributive property to produce an equivalent expression.

1) $3(4 + 2B)$

2) $30C + 20$

3) $8(7D + 2)$

4) $20E + 16$

5) $6(7F + 7)$

6) $G + G + G + G + G$

7) $2(6H + 5)$

8) $60 + 42I$

9) $36 + 28J$

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

11) $4(3 + 8L)$

12) $4(8M + 7)$

13) $2N + 8N + 3 + 9$

14) $20O + 10$

15) $8(6P + 9)$

16) $Q + Q + Q + Q + Q + Q$

17) $2(6R + 4)$

18) $54S + 42$

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

20) $8(5U + 10)$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

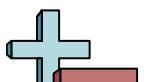
16. _____

17. _____

18. _____

19. _____

20. _____



Applying Properties of Operations

Name: **Answer Key**

Apply the distributive property to produce an equivalent expression.

1) $3(4 + 2B)$

Answers

1. **12 + 6B**

2) $30C + 20$

2. **10(3C + 2)**

3) $8(7D + 2)$

3. **56D + 16**

4) $20E + 16$

4. **4(5E + 4)**

5) $6(7F + 7)$

5. **42F + 42**

6) $G + G + G + G + G$

6. **5G**

7) $2(6H + 5)$

7. **12H + 10**

8) $60 + 42I$

8. **6(10 + 7I)**

9) $36 + 28J$

9. **4(9 + 7J)**

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

10. **7K**

11) $4(3 + 8L)$

11. **12 + 32L**

12) $4(8M + 7)$

12. **32M + 28**

13) $2N + 8N + 3 + 9$

13. **10N+12**

14) $20O + 10$

14. **10(2O + 1)**

15) $8(6P + 9)$

15. **48P + 72**

16) $Q + Q + Q + Q + Q + Q$

16. **6Q**

17) $2(6R + 4)$

17. **12R + 8**

18) $54S + 42$

18. **6(9S + 7)**

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

19. **7T**

20) $8(5U + 10)$

20. **40U + 80**