



Applying Properties of Operations

Name: _____

Apply the distributive property to produce an equivalent expression.

Answers

1) $6(3b + 3)$

1. _____

2) $c + c + c$

2. _____

3) $12 + 20d$

3. _____

4) $8 + 7e + 5 + 8e$

4. _____

5) $6 + 8f$

5. _____

6) $g + g + g + g + g + g + g + g + g$

6. _____

7) $h + h + h + h + h + h + h + h$

7. _____

8) $9(3i + 2)$

8. _____

9) $9(6 + 4j)$

9. _____

10) $k + k + k + k + k + k$

10. _____

11) $m + m + m$

11. _____

12) $4n + 7n + 9 + 10$

12. _____

13) $3(5 + 4p)$

13. _____

14) $20 + 16r$

14. _____

15) $6(3t + 3)$

15. _____

16) $60 + 18u$

16. _____

17) $3(7v + 5)$

17. _____

18) $54 + 36w$

18. _____

19) $48y + 12$

19. _____

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

20. _____



Applying Properties of Operations

Name: **Answer Key**

Apply the distributive property to produce an equivalent expression.

1) $6(3b + 3)$

Answers

1. **$18b + 18$**

2) $c + c + c$

2. **$3c$**

3) $12 + 20d$

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

4) $8 + 7e + 5 + 8e$

4. **$15e+13$**

5) $6 + 8f$

5. **$2(3 + 4f)$**

6) $g + g + g + g + g + g + g + g + g$

6. **$9g$**

7) $h + h + h + h + h + h + h$

7. **$7h$**

8) $9(3i + 2)$

8. **$27i + 18$**

9) $9(6 + 4j)$

9. **$54 + 36j$**

10) $k + k + k + k + k + k$

10. **$6k$**

11) $m + m + m$

11. **$3m$**

12) $4n + 7n + 9 + 10$

12. **$11n+19$**

13) $3(5 + 4p)$

13. **$15 + 12p$**

14) $20 + 16r$

14. **$4(5 + 4r)$**

15) $6(3t + 3)$

15. **$18t + 18$**

16) $60 + 18u$

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

17) $3(7v + 5)$

17. **$21v + 15$**

18) $54 + 36w$

18. **$18(3 + 2w)$**

19) $48y + 12$

19. **$12(4y + 1)$**

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

20. **$6z$**