



Applying Properties of Operations

Name: _____

Apply the distributive property to produce an equivalent expression.

1) $10(7 + 7b)$

Answers

1. _____

2) $c + c + c + c + c + c$

2. _____

3) $18d + 9$

3. _____

4) $e + e + e + e + e + e + e + e$

4. _____

5) $3 + 3f + 3 + 6f$

5. _____

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

6. _____

7) $6(4 + 7h)$

7. _____

8) $60i + 90$

8. _____

9) $j + j + j + j + j + j$

9. _____

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

10. _____

11) $9 + 15m$

11. _____

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

12. _____

13) $45 + 72p$

13. _____

14) $4r + 3 + 8r + 5$

14. _____

15) $56 + 72t$

15. _____

16) $7(3u + 5)$

16. _____

17) $v + v + v + v + v + v + v + v$

17. _____

18) $3(5w + 8)$

18. _____

19) $7 + 3 + 7y + 8y$

19. _____

20) $6 + 7 + 4z + 6z$

20. _____



Applying Properties of Operations

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

1) $10(7 + 7b)$

Answers

1. **$70 + 70b$**

2) $c + c + c + c + c + c$

2. **$6c$**

3) $18d + 9$

3. **$9(2d + 1)$**

4) $e + e + e + e + e + e + e + e$

4. **$9e$**

5) $3 + 3f + 3 + 6f$

5. **$9f+6$**

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

6. **$9g$**

7) $6(4 + 7h)$

7. **$24 + 42h$**

8) $60i + 90$

8. **$30(2i + 3)$**

9) $j + j + j + j + j + j$

9. **$6j$**

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

10. **$7k$**

11) $9 + 15m$

11. **$3(3 + 5m)$**

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

12. **$5n$**

13) $45 + 72p$

13. **$9(5 + 8p)$**

14) $4r + 3 + 8r + 5$

14. **$12r+8$**

15) $56 + 72t$

15. **$8(7 + 9t)$**

16) $7(3u + 5)$

16. **$21u + 35$**

17) $v + v + v + v + v + v + v + v$

17. **$8v$**

18) $3(5w + 8)$

18. **$15w + 24$**

19) $7 + 3 + 7y + 8y$

19. **$15y+10$**

20) $6 + 7 + 4z + 6z$

20. **$10z+13$**