



Applying Properties of Operations

Name: _____

Apply the distributive property to produce an equivalent expression.

1) $3(10 + 5b)$

Answers

1. _____

2) $2(9 + 2c)$

2. _____

3) $4(2 + 3d)$

3. _____

4) $5(8 + 4e)$

4. _____

5) $f + f + f + f + f$

5. _____

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

6. _____

7) $36h + 12$

7. _____

8) $5 + 10i + 2i + 9$

8. _____

9) $48 + 12j$

9. _____

10) $3(3k + 8)$

10. _____

11) $6(7 + 2m)$

11. _____

12) $36n + 81$

12. _____

13) $2(8p + 3)$

13. _____

14) $3(4r + 4)$

14. _____

15) $90t + 40$

15. _____

16) $60u + 70$

16. _____

17) $72 + 72v$

17. _____

18) $56w + 21$

18. _____

19) $70y + 63$

19. _____

20) $6 + 8 + 3z + 3z$

20. _____



Applying Properties of Operations

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

1) $3(10 + 5b)$

Answers

1. **$30 + 15b$**

2) $2(9 + 2c)$

2. **$18 + 4c$**

3) $4(2 + 3d)$

3. **$8 + 12d$**

4) $5(8 + 4e)$

4. **$40 + 20e$**

5) $f + f + f + f + f$

5. **$5f$**

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

6. **$9g$**

7) $36h + 12$

7. **$12(3h + 1)$**

8) $5 + 10i + 2i + 9$

8. **$12i+14$**

9) $48 + 12j$

9. **$12(4 + 1j)$**

10) $3(3k + 8)$

10. **$9k + 24$**

11) $6(7 + 2m)$

11. **$42 + 12m$**

12) $36n + 81$

12. **$9(4n + 9)$**

13) $2(8p + 3)$

13. **$16p + 6$**

14) $3(4r + 4)$

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

15) $90t + 40$

15. **$10(9t + 4)$**

16) $60u + 70$

16. **$10(6u + 7)$**

17) $72 + 72v$

17. **$72(1 + 1v)$**

18) $56w + 21$

18. **$7(8w + 3)$**

19) $70y + 63$

19. **$7(10y + 9)$**

20) $6 + 8 + 3z + 3z$

20. **$6z+14$**