



Applying Properties of Operations

Name: _____

Apply the distributive property to produce an equivalent expression.

1) $3(10a + 5)$

Answers

1. _____

2) $2(9 + 2g)$

2. _____

3) $4(2b + 3)$

3. _____

4) $40d + 20$

4. _____

5) $56s + 63$

5. _____

6) $60 + 20w$

6. _____

7) $6(6k + 2)$

7. _____

8) $p + p + p + p + p + p + p + p$

8. _____

9) $6(8 + 2y)$

9. _____

10) $3(3 + 8t)$

10. _____

11) $f + f + f + f$

11. _____

12) $9(4 + 9n)$

12. _____

13) $2(8 + 3e)$

13. _____

14) $3(4 + 4r)$

14. _____

15) $90c + 40$

15. _____

16) $10(6u + 7)$

16. _____

17) $72j + 72$

17. _____

18) $56 + 21h$

18. _____

19) $70 + 63z$

19. _____

20) $9 + 18v$

20. _____



Apply the distributive property to produce an equivalent expression.

1) $3(10a + 5)$

Answers

1. **$30a + 15$**

2) $2(9 + 2g)$

2. **$18 + 4g$**

3) $4(2b + 3)$

3. **$8b + 12$**

4) $40d + 20$

4. **$20(2d + 1)$**

5) $56s + 63$

5. **$7(8s + 9)$**

6) $60 + 20w$

6. **$20(3 + 1w)$**

7) $6(6k + 2)$

7. **$36k + 12$**

8) $p + p + p + p + p + p + p + p$

8. **$8p$**

9) $6(8 + 2y)$

9. **$48 + 12y$**

10) $3(3 + 8t)$

10. **$9 + 24t$**

11) $f + f + f + f$

11. **$4f$**

12) $9(4 + 9n)$

12. **$36 + 81n$**

13) $2(8 + 3e)$

13. **$16 + 6e$**

14) $3(4 + 4r)$

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

15) $90c + 40$

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

16) $10(6u + 7)$

16. **$60u + 70$**

17) $72j + 72$

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

18) $56 + 21h$

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

19) $70 + 63z$

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

20) $9 + 18v$

20. **$9(1 + 2v)$**