



Applying Properties of Operations

Name: _____

Apply the distributive property to produce an equivalent expression.

1) $3(4 + 2m)$

Answers

1. _____

2) $30 + 20y$

2. _____

3) $8(7 + 2h)$

3. _____

4) $2(10 + 8g)$

4. _____

5) $6(7a + 7)$

5. _____

6) $15e + 40$

6. _____

7) $12 + 10c$

7. _____

8) $6(10d + 7)$

8. _____

9) $4(9 + 7r)$

9. _____

10) $n + n + n + n + n + n + n + n$

10. _____

11) $12 + 32k$

11. _____

12) $u + u + u + u + u + u + u + u + u$

12. _____

13) $p + p + p + p + p$

13. _____

14) $5(4z + 2)$

14. _____

15) $w + w + w + w + w$

15. _____

16) $10(2 + 5f)$

16. _____

17) $2(6 + 4b)$

17. _____

18) $6(9 + 7j)$

18. _____

19) $45 + 54v$

19. _____

20) $8(5 + 10t)$

20. _____



Applying Properties of Operations

Name: **Answer Key**

Apply the distributive property to produce an equivalent expression.

1) $3(4 + 2m)$

Answers

1. **$12 + 6m$**

2) $30 + 20y$

2. **$10(3 + 2y)$**

3) $8(7 + 2h)$

3. **$56 + 16h$**

4) $2(10 + 8g)$

4. **$20 + 16g$**

5) $6(7a + 7)$

5. **$42a + 42$**

6) $15e + 40$

6. **$5(3e + 8)$**

7) $12 + 10c$

7. **$2(6 + 5c)$**

8) $6(10d + 7)$

8. **$60d + 42$**

9) $4(9 + 7r)$

9. **$36 + 28r$**

10) $n + n + n + n + n + n + n + n$

10. **$8n$**

11) $12 + 32k$

11. **$4(3 + 8k)$**

12) $u + u + u + u + u + u + u + u + u$

12. **$9u$**

13) $p + p + p + p + p$

13. **$5p$**

14) $5(4z + 2)$

14. **$20z + 10$**

15) $w + w + w + w + w$

15. **$5w$**

16) $10(2 + 5f)$

16. **$20 + 50f$**

17) $2(6 + 4b)$

17. **$12 + 8b$**

18) $6(9 + 7j)$

18. **$54 + 42j$**

19) $45 + 54v$

19. **$9(5 + 6v)$**

20) $8(5 + 10t)$

20. **$40 + 80t$**