



Applying Properties of Operations

Name: _____

Apply the distributive property to produce an equivalent expression.

1) $25 + 50s$

Answers

1. _____

2) $e + e + e + e + e + e + e + e + e$

2. _____

3) $v + v + v + v + v + v$

3. _____

4) $49a + 21$

4. _____

5) $30b + 24$

5. _____

6) $7(7 + 7t)$

6. _____

7) $28 + 36c$

7. _____

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

8. _____

9) $16 + 16d$

9. _____

10) $4(5 + 4j)$

10. _____

11) $6(6f + 3)$

11. _____

12) $42 + 63u$

12. _____

13) $14r + 35$

13. _____

14) $g + g + g$

14. _____

15) $24z + 20$

15. _____

16) $6(7h + 4)$

16. _____

17) $n + n + n + n + n + n + n + n + n$

17. _____

18) $45m + 35$

18. _____

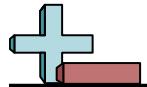
19) $48y + 60$

19. _____

20) $42 + 42k$

20. _____

| | | | | | | | | | | |
|-------|----|----|----|----|----|----|----|----|----|----|
| 1-10 | 95 | 90 | 85 | 80 | 75 | 70 | 65 | 60 | 55 | 50 |
| 11-20 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 |



Applying Properties of Operations

Name: **Answer Key**

Apply the distributive property to produce an equivalent expression.

1) $25 + 50s$

Answers

1. $25(1 + 2s)$

2) $e + e + e + e + e + e + e + e$

2. $9e$

3) $v + v + v + v + v + v$

3. $6v$

4) $49a + 21$

4. $7(7a + 3)$

5) $30b + 24$

5. $6(5b + 4)$

6) $7(7 + 7t)$

6. $49 + 49t$

7) $28 + 36c$

7. $4(7 + 9c)$

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

8. $9p$

9) $16 + 16d$

9. $16(1 + 1d)$

10) $4(5 + 4j)$

10. $20 + 16j$

11) $6(6f + 3)$

11. $36f + 18$

12) $42 + 63u$

12. $21(2 + 3u)$

13) $14r + 35$

13. $7(2r + 5)$

14) $g + g + g$

14. $3g$

15) $24z + 20$

15. $4(6z + 5)$

16) $6(7h + 4)$

16. $42h + 24$

17) $n + n + n + n + n + n + n + n + n$

17. $9n$

18) $45m + 35$

18. $5(9m + 7)$

19) $48y + 60$

19. $12(4y + 5)$

20) $42 + 42k$

20. $42(1 + 1k)$

| | | | | | | | | | | |
|-------|----|----|----|----|----|----|----|----|----|----|
| 1-10 | 95 | 90 | 85 | 80 | 75 | 70 | 65 | 60 | 55 | 50 |
| 11-20 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 |