



Applying Properties of Operations

Name: _____

Apply the distributive property to produce an equivalent expression.

1) $30b + 24$

Answers

1. _____

2) $5 + 5 + 9c + 10c$

2. _____

3) $10 + 16d$

3. _____

4) $9 + 2e + 8 + 7e$

4. _____

5) $24f + 48$

5. _____

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

6. _____

7) $8 + 7h + 8 + 7h$

7. _____

8) $90i + 80$

8. _____

9) $6(8 + 7j)$

9. _____

10) $10 + 9k + 7k + 2$

10. _____

11) $6 + 8m + 8 + 6m$

11. _____

12) $5n + 5 + 4n + 3$

12. _____

13) $6(4p + 7)$

13. _____

14) $4(4r + 10)$

14. _____

15) $5(6t + 5)$

15. _____

16) $2(4u + 6)$

16. _____

17) $10(7v + 4)$

17. _____

18) $2(10w + 7)$

18. _____

19) $4(5 + 7y)$

19. _____

20) $2z + 2z + 2 + 5$

20. _____



Applying Properties of Operations

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

1) $30b + 24$

Answers

1. $6(5b + 4)$

2) $5 + 5 + 9c + 10c$

2. $19c+10$

3) $10 + 16d$

3. $2(5 + 8d)$

4) $9 + 2e + 8 + 7e$

4. $9e+17$

5) $24f + 48$

5. $24(1f + 2)$

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

6. $9g$

7) $8 + 7h + 8 + 7h$

7. $14h+16$

8) $90i + 80$

8. $10(9i + 8)$

9) $6(8 + 7j)$

9. $48 + 42j$

10) $10 + 9k + 7k + 2$

10. $16k+12$

11) $6 + 8m + 8 + 6m$

11. $14m+14$

12) $5n + 5 + 4n + 3$

12. $9n+8$

13) $6(4p + 7)$

13. $24p + 42$

14) $4(4r + 10)$

14. $16r + 40$

15) $5(6t + 5)$

15. $30t + 25$

16) $2(4u + 6)$

16. $8u + 12$

17) $10(7v + 4)$

17. $70v + 40$

18) $2(10w + 7)$

18. $20w + 14$

19) $4(5 + 7y)$

19. $20 + 28y$

20) $2z + 2z + 2 + 5$

20. $4z+7$