Applying Properties of Operations

Name:

Apply the distributive property to produce an equivalent expression.

1) $b + b + b + b + b + b + b + b$

2) $6m + 18$

3) $20 + 10t$

4) $20e + 6$

5) $h + h + h + h + h + h$

6) $21z + 21$

7) $9 + 24w$

8) $42 + 54v$

9) $10(9p + 9)$

10) $2(6d + 6)$

11) $4(7 + 10a)$

12) $30y + 40$

13) $10k + 8$

14) $50 + 50f$

15) $30n + 90$

16) $10 + 10s$

17) $4(6 + 8u)$

18) $g + g + g + g$

19) $16c + 36$

20) $56 + 35j$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

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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:

Apply the distributive property to produce an equivalent expression.

1) $b + b + b + b + b + b + b + b$

1. ___**8b**___

2) $6m + 18$

2. ___**6(1m + 3)**___

3) $20 + 10t$

3. ___**10(2 + 1t)**___

4) $20e + 6$

4. ___**2(10e + 3)**___

5) $h + h + h + h + h + h$

5. ___**6h**___

6) $21z + 21$

6. ___**21(1z + 1)**___

7) $9 + 24w$

7. ___**3(3 + 8w)**___

8) $42 + 54v$

8. ___**6(7 + 9v)**___

9) $10(9p + 9)$

9. ___**90p + 90**___

10) $2(6d + 6)$

10. ___**12d + 12**___

11) $4(7 + 10a)$

11. ___**28 + 40a**___

12) $30y + 40$

12. ___**10(3y + 4)**___

13) $10k + 8$

13. ___**2(5k + 4)**___

14) $50 + 50f$

14. ___**50(1 + 1f)**___

15) $30n + 90$

15. ___**30(1n + 3)**___

16) $10 + 10s$

16. ___**10(1 + 1s)**___

17) $4(6 + 8u)$

17. ___**24 + 32u**___

18) $g + g + g + g$

18. ___**4g**___

19) $16c + 36$

19. ___**4(4c + 9)**___

20) $56 + 35j$

20. ___**7(8 + 5j)**___

Math

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