

Applying Properties of Operations

Name: _____

Apply the distributive property to produce an equivalent expression.

1) $z + z + z + z + z + z$

Answers

1. _____

2) $9(10t + 8)$

2. _____

3) $4(9m + 8)$

3. _____

4) $20 + 10y$

4. _____

5) $20 + 8u$

5. _____

6) $4(9p + 2)$

6. _____

7) $70r + 21$

7. _____

8) $14g + 18$

8. _____

9) $h + h + h + h$

9. _____

10) $10(7j + 4)$

10. _____

11) $6(7 + 9v)$

11. _____

12) $4(8e + 7)$

12. _____

13) $9(2 + 6c)$

13. _____

14) $6(9 + 7k)$

14. _____

15) $4(7 + 9a)$

15. _____

16) $9(2b + 3)$

16. _____

17) $24d + 60$

17. _____

18) $10(6 + 7f)$

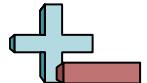
18. _____

19) $w + w + w + w + w + w + w + w$

19. _____

20) $20s + 32$

20. _____



Applying Properties of Operations

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

1) $z + z + z + z + z + z$

1. **6z**

2) $9(10t + 8)$

2. **90t + 72**

3) $4(9m + 8)$

3. **36m + 32**

4) $20 + 10y$

4. **10(2 + 1y)**

5) $20 + 8u$

5. **4(5 + 2u)**

6) $4(9p + 2)$

6. **36p + 8**

7) $70r + 21$

7. **7(10r + 3)**

8) $14g + 18$

8. **2(7g + 9)**

9) $h + h + h + h$

9. **4h**

10) $10(7j + 4)$

10. **70j + 40**

11) $6(7 + 9v)$

11. **42 + 54v**

12) $4(8e + 7)$

12. **32e + 28**

13) $9(2 + 6c)$

13. **18 + 54c**

14) $6(9 + 7k)$

14. **54 + 42k**

15) $4(7 + 9a)$

15. **28 + 36a**

16) $9(2b + 3)$

16. **18b + 27**

17) $24d + 60$

17. **12(2d + 5)**

18) $10(6 + 7f)$

18. **60 + 70f**

19) $w + w + w + w + w + w + w + w$

19. **9w**

20) $20s + 32$

20. **4(5s + 8)**

Answers**6z****90t + 72****36m + 32****10(2 + 1y)****4(5 + 2u)****36p + 8****7(10r + 3)****2(7g + 9)****4h****70j + 40****42 + 54v****32e + 28****18 + 54c****54 + 42k****28 + 36a****18b + 27****12(2d + 5)****60 + 70f****9w****4(5s + 8)**