

Applying Properties of Operations

Name: _____

Apply the distributive property to produce an equivalent expression.

1) $7(8B + 4)$

Answers

1. _____

2) $7C + 8C + 10 + 6$

2. _____

3) $5(3D + 3)$

3. _____

4) $5(5E + 3)$

4. _____

5) $F + F + F + F$

5. _____

6) $32 + 8G$

6. _____

7) $3H + 8H + 6 + 4$

7. _____

8) $90 + 20I$

8. _____

9) $J + J + J + J$

9. _____

10) $80 + 48K$

10. _____

11) $8 + 32L$

11. _____

12) $7(5 + 3M)$

12. _____

13) $48 + 36N$

13. _____

14) $48 + 36O$

14. _____

15) $27 + 15P$

15. _____

16) $Q + Q + Q$

16. _____

17) $R + R + R + R + R + R$

17. _____

18) $4 + 5 + 7S + 3S$

18. _____

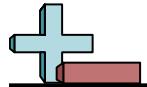
19) $40 + 28T$

19. _____

20) $4(2 + 2U)$

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) $7(8B + 4)$

Answers

1. **$56B + 28$**

2) $7C + 8C + 10 + 6$

2. **$15C + 16$**

3) $5(3D + 3)$

3. **$15D + 15$**

4) $5(5E + 3)$

4. **$25E + 15$**

5) $F + F + F + F$

5. **$4F$**

6) $32 + 8G$

6. **$8(4 + 1G)$**

7) $3H + 8H + 6 + 4$

7. **$11H + 10$**

8) $90 + 20I$

8. **$10(9 + 2I)$**

9) $J + J + J + J$

9. **$4J$**

10) $80 + 48K$

10. **$16(5 + 3K)$**

11) $8 + 32L$

11. **$8(1 + 4L)$**

12) $7(5 + 3M)$

12. **$35 + 21M$**

13) $48 + 36N$

13. **$12(4 + 3N)$**

14) $48 + 36O$

14. **$12(4 + 3O)$**

15) $27 + 15P$

15. **$3(9 + 5P)$**

16) $Q + Q + Q$

16. **$3Q$**

17) $R + R + R + R + R + R$

17. **$6R$**

18) $4 + 5 + 7S + 3S$

18. **$10S + 9$**

19) $40 + 28T$

19. **$4(10 + 7T)$**

20) $4(2 + 2U)$

20. **$8 + 8U$**