

Math 6 - Unit 3: Expressions*Distributive Property Practice #1*

Name: _____

Class Period: 1 2 3 4 Date: _____

Use the distributive property to solve the following problems. Be sure to show all your work.

1. $3(24)$

2. $8(67)$

3. $5(39)$

4. $9(48)$

5. $4(52)$

6. $6(75)$

Use the Distributive Property to rewrite each algebraic expression.

7. $6(n + 4)$

8. $5(2 + r)$

9. $8(s + 5)$

10. $3(b + 8)$

11. $5(6 + b)$

12. $9(3 + v)$

13. $7(r + 7)$

14. $12(4 + v)$

15. $11(3 + s)$

16. $4(x + 3)$

17. $7(x + 4)$

18. $2(x + 8)$

19. $9(x + 6)$

20. $3(x + 11)$

21. $5(x + 7)$

22. $6(x + 4)$

23. $8(x + 9)$

24. $4(x + 5)$

Math 6 - Unit 3: Expressions*Distributive Property Practice #2*

Name: _____

Class Period: 1 2 3 4 Date: _____

Use the distributive property to solve the following problems. Be sure to show all your work.

1. $11(14)$

2. $12(54)$

3. $6(45)$

4. $6(512)$

5. $7(63)$

6. $13(22)$

Use the Distributive Property to rewrite each algebraic expression.

7. $8(5m + x)$

8. $6(2 + 9y)$

9. $3(4 + 9b)$

10. $4(6g + 11)$

11. $4(11 + 12g)$

12. $2.3(x + 5)$

13. $1.5(2x + 8)$

14. $2(6n + t)$

15. $15.4(3n + 17)$

16. $9(5 + 2x)$

17. $2(2.2x + 1.3)$

18. $10(2y + 80)$

19. $5(6 + 11m)$

20. $12(11a + 15x)$

21. $3.2(3.2x + 1)$

22. $5(3r + c)$

23. $11(5 + 11f)$

24. $4.0(3.0u + 10)$

Math 6 - Unit 3: Expressions*Distributive Property Practice #1***ANSWER KEY (ALL)**

Name: _____

Class Period: 1 2 3 4 Date: _____

Use the distributive property to solve the following problems. Be sure to show all your work.

1. $3(24)$

$3(20 + 4) = 60 + 12 = 72$

2. $8(67)$

$8(60 + 7) = 480 + 56 = 536$

3. $5(39)$

$5(30 + 9) = 150 + 45 = 195$

4. $9(48)$

$9(40 + 8) = 360 + 72 = 432$

5. $4(52)$

$4(50 + 2) = 200 + 8 = 208$

6. $6(75)$

$6(70 + 5) = 420 + 30 = 450$

Use the Distributive Property to

7. $6(n + 4)$ $6n + 24$

8. $5(2 + r)$ $10 + 5r$

9. $8(s + 5)$ $8s + 40$

10. $3(b + 8)$ $3b + 24$

11. $5(6 + b)$ $30 + 5b$

12. $9(3 + v)$ $27 + 9v$

13. $7(r + 7)$ $7r + 49$

14. $12(4 + v)$ $48 + 12v$

15. $11(3 + s)$
 $33 + 11s$

16. $4(x + 3)$ $4x + 12$

17. $7(x + 4)$ $7x + 28$

18. $2(x + 8)$ $2x + 16$

19. $9(x + 6)$ $9x + 54$

20. $3(x + 11)$ $3x + 33$

21. $5(x + 7)$ $5x + 35$

22. $6(x + 4)$ $6x + 24$

23. $8(x + 9)$ $8x + 72$

24. $4(x + 5)$ $4x + 20$

Math 6 - Unit 3: Expressions*Distributive Property Practice #2***ANSWER KEY (ALL)**

Name: _____

Class Period: 1 2 3 4 Date: _____

Use the distributive property to solve the following problems. Be sure to show all your work.

1. $11(14)$

$11(10 + 4) = 110 + 44 = 154$

2. $12(54)$

$12(50 + 4) = 600 + 48 = 648$

3. $6(45)$

$6(40 + 5) = 240 + 30 = 270$

4. $6(512)$

$6(500 + 10 + 2) = 3000 + 60 + 12 = 3072$

5. $7(63)$

$7(60 + 3) = 420 + 21 = 441$

6. $13(22)$

$13(20 + 2) = 260 + 26 = 286$

Use the Distributive Property to rewrite each algebraic expression.

7. $8(5m + x)$

$40m + 8x$

8. $6(2 + 9y)$

$12 + 54y$

9. $3(4 + 9b)$

$12 + 27b$

10. $4(6g + 11)$

$24g + 44$

11. $4(11 + 12g)$

$44 + 48g$

12. $2.3(x + 5)$

$2.3x + 11.5$

13. $1.5(2x + 8)$

$3x + 12$

14. $2(6n + t)$

$12n + 2t$

15. $15.4(3n + 17)$

$46.2n + 261.8$

16. $9(5 + 2x)$

$45 + 18x$

17. $2(2.2x + 1.3)$

$4.4x + 2.6$

18. $10(2y + 80)$

$20y + 800$

19. $5(6 + 11m)$

$30 + 55m$

20. $12(11a + 15x)$

$132a + 180x$

21. $3.2(3.2x + 1)$

$10.24x + 3.2$

22. $5(3r + c)$

$15r + 5c$

23. $11(5 + 11f)$

$55 + 121f$

24. $4.0(3.0u + 10)$

$12u + 40$