

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

Name: _____

Factoring with the Distributive Property Practice #1

Class Period: 1 2 3 4 Date: _____

Use the distributive property and the greatest common factor to factor the following problems. Be sure to show all your work.

1. $55v + 77$

2. $27y + 90$

3. $63u + 28$

4. $50 + 90n$

5. $35 + 55m$

6. $36w + 40$

7. $32 + 20n$

8. $48g + 54$

9. $72 + 40u$

10. $16y + 16$

11. $45 + 54b$

12. $44 + 36y$

13. $6y + 27$

14. $15 + 12c$

15. $66u + 21$

16. $44 + 36q$

17. $77r + 33$

18. $99p + 121$

19. $54 + 48w$

20. $54x + 99$

21. $30 + 72b$

22. $40 + 55x$

23. $45 + 72d$

24. $12 + 21p$

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

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Name: _____

*Factoring with the Distributive Property Practice #1***ANSWER KEY**

Class Period: 1 2 3 4 Date: _____

Use the distributive property and the greatest common factor to factor the following problems. Be sure to show all your work.

1. $55v + 77$ **$11(5v + 7)$**

2. $27y + 90$ **$9(3y + 10)$**

3. $63u + 28$ **$7(9u + 4)$**

4. $50 + 90n$ **$10(5 + 9n)$**

5. $35 + 55m$ **$5(7 + 11m)$**

6. $36w + 40$ **$4(9w + 10)$**

7. $32 + 20n$ **$4(8 + 5n)$**

8. $48g + 54$ **$6(8g + 9)$**

9. $72 + 40u$ **$8(9 + 5u)$**

10. $16y + 16$ **$16(y + 1)$**

11. $45 + 54b$ **$9(5 + 6b)$**

12. $44 + 36y$ **$4(11 + 9y)$**

13. $6y + 27$ **$3(2y + 9)$**

14. $15 + 12c$ **$3(5 + 4c)$**

15. $66u + 21$ **$3(22u + 7)$**

16. $44 + 36q$ **$4(11 + 9q)$**

17. $77r + 33$ **$11(7r + 3)$**

18. $99p + 121$ **$11(9p + 11)$**

19. $54 + 48w$ **$6(9 + 8w)$**

20. $54x + 99$ **$9(6x + 11)$**

21. $30 + 72b$ **$6(5 + 12b)$**

22. $40 + 55x$ **$5(8 + 11x)$**

23. $45 + 72d$ **$9(5 + 8d)$**

24. $12 + 21p$ **$3(4 + 7p)$**