



NAME _____ DATE Wednesday

DUE 9/10
Student Edition
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Practice

The Distributive Property

Use the distributive property to rewrite each expression.

(1.) $5(2x + 7)$

(2.) $6x - 6y$

(3.) $8(m + n)$

(4.) $3p - 3q$

Simplify each expression, if possible. If not possible, write in simplest form.

(5.) $2x + 8x$

(6.) $17j + j$

(7.) $4ab + ab$

(8.) $2x^2 + 6x^2$

(9.) $16m - 10m$

(10.) $5t^3 - 3t^3$

(11.) $15i^2 - 15i^2$

(12.) $3(5 + 2h)$

(13.) $5(r + 2) + 7r$

(14.) $a + b + a + c$

(15.) $6x + 7(y + x)$

(16.) $3(r + 2s) - 3r$

(17.) $10c + 5c + 6d + d$

(18.) $(x + 5)y + 2y$

(19.) $7rs + 2rs + 3rs$

(20.) $w + 14w - 6w$

(21.) $4.5v + 23v + v$

(22.) $3r^2 + 6r + 2s^2$

(23.) $c^2 + 4d^2 + d^2 + 3d$

(24.) $\frac{1}{3}n + \frac{2}{3}n$

25. $a + \frac{1}{3}b + \frac{4}{3}a + \frac{4}{3}b$

(26.) $35a + 5n + 2(n - 1)$

CC - Algebra
Chapter 1
Unit 3
lessons A, B, C
80009
80010
80011

Practice

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The Distributive Property

Use the distributive property to rewrite each expression.

① $5(2x + 7)$

$10x + 35$

③ $3(m + n)$

$3m + 3n$

Simplify each expression, if possible. If not possible, write in simplest form.

5. $2x + 8x$

~~$2x + 8x$~~ $10x$

7. $4ab + ab$

$5ab$

9. $16m - 10m$

$6m$

11. $15i^2 - 15i^2$

0

⑬ $5(r + 2) + 7r$

$5r + 10 + 7r = 12r + 10$

⑮ $6x + 7(y + x)$

$6x + 7y + 7x = 13x + 7y$

17. $10c + 5c + 6d + d$

$15c + 7d$

19. $\frac{7rs}{2} + 2rs + \frac{3rs}{2}$

$(12rs)$

21. $4.5v + 23v + v$

$28.5v$

23. $c^2 + 4d^2 + d^2 + 3d$

$c^2 + 5d^2 + 3d$

25. $a + \frac{1}{3}b + \frac{4}{3}a + \frac{4}{3}b$

② $6x - 6y$

$6(x - y)$

④ $3p - 3q$

$3(p - q)$

6. $17j + j$

$18j$

8. $2x^2 + 6x^2$

$8x^2$

10. $5t^3 - 3t^3 -$

~~$5t^3 - 3t^3 -$~~ $2t^3$

⑫ $3(5 + 2h)$

$15 + 6h$

14. $a + b + a + c$

$2a + b + c$

⑮ $3(r + 2s) - 3r$

$3r + 6s - 3r = 6s$

⑮ $(x + 5y) + 2y$

$xy + 5y + 2y = xy + 7y$

20. $w + 14w - 6w$

$15w - 6w = 9w$

22. $3r^2 + 6r + 2s^2$

→ done al-ready

24. $\frac{1}{3}n + \frac{2}{5}n$ have to change create ratios
 $\frac{1}{3} = \frac{5}{15}n + \frac{4}{15}n$ with the same denominator

26. $35a + 5n + 2(n - 1)$

$35a + 5n + 2n - 2$

$35a + 7n - 2$

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$$\begin{array}{r} 80009 \\ 80010 \\ 80011 \\ \hline \end{array}$$

These are the
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lessons that relate to
this topic/skill.