Algebra 1 Readiness - EXPRESSIONS

Adding and Subtracting Fractions - Leave answers as simplified improper fractions





Distributive Property

Example/Model					
a(b+c) = ab + ac	4(5) = 2	$5x+2) \ x)+4(2) \ 20x+8$	a(b+a) = ab + a	;) ac	$egin{aligned} 6(3x-4)\ &=6(3x)+6(-4)\ &=18x-24 \end{aligned}$
13. Simplify $3\left(n+2 ight)$		14. Simplify $5(3n$ -	+ 10)	15. S	Simplify $7\left(5+6x ight)$



Distributive Property with Negatives



$$\begin{array}{|c|c|c|c|c|c|} \hline 29. \ \text{Simplify} \\ -\frac{1}{2}(20a+14) \\ \hline 30. \ \text{Simplify} \\ -\frac{1}{3}(6a-33) \\ \hline 32. \ \text{Simplify} \\ -5(-2x-7) \\ \hline 5b-3)(-6) \\ \hline 33. \ \text{Simplify} \\ -3(5a-2b+2) \\ \hline 34. \ \text{Simplify} \\ (5b-3)(-6) \\ \hline \end{array}$$

Combining Like Terms



NAME:

PERIOD: _____

41. Simplify $9y-2x+7y-5x$	42. Simplify $12a+4b-2a-2b$	43. Simplify $rac{1}{2}x-rac{4}{3}+rac{3}{4}x+rac{2}{3}$

Simplifying Expressions with Distribution and Combining Like Terms



50. Simplify $4\left(7x-2 ight)-3\left(2x+1 ight)$	51. Simplify $8\left(m-1 ight)-\left(3m+2 ight)$	52. Simplify $rac{1}{2}(12y-10)+3\left(x-5 ight)$
		2

Simplifying Expressions - APPLICATIONS



Algebra 1 Readiness - EQUATIONS

Solving Two-Step Equations





NAME: _____



Example/Model 15+6x = 45 + 8x				
15	6x = 45 + 8x			
	-6X - 6X	hack your a	ncwor:	
	-45 - 45	$\frac{1}{1}$	113WEL.	
	-30 = 2x	$(-15) = 45^{\circ}$	+8(-15)	
	2 2 1	5+(-90)=45	+(-120)	
(<u>-15 = x</u>	-75 = -75	V	
25. Solve $7n + 7 = 2 + 8n$	26. Solve $4 + 6x =$	-4 + 2x	^{27. Solve} $-6n + 8 = 8 - 3n$	
28. Solve $1 - 4a = 4 - 5a$	29. Solve $5n + 3 =$	-7 + 7n	^{30. Solve} b + 2 = 4b + 2	
^{31. Solve} 7x = 6 + 9x	32. Solve $3x + 8$	S = 2x	33. Solve $-10y = -5 - 5y$	

NAME: ______ Solving Multistep Equations with Distribution

Solving Multistep Equations with Combining Like Terms



Solving Multistep Equations with Distribution & Combining Like Terms

43. Solve -36 - 4x = -5x - 3(4x - 1)	44. Solve 8 $(5+7a) - 5 = -15 + 6a$	45. Solve -24 - 7x = -8(3 + 8x) - 4x