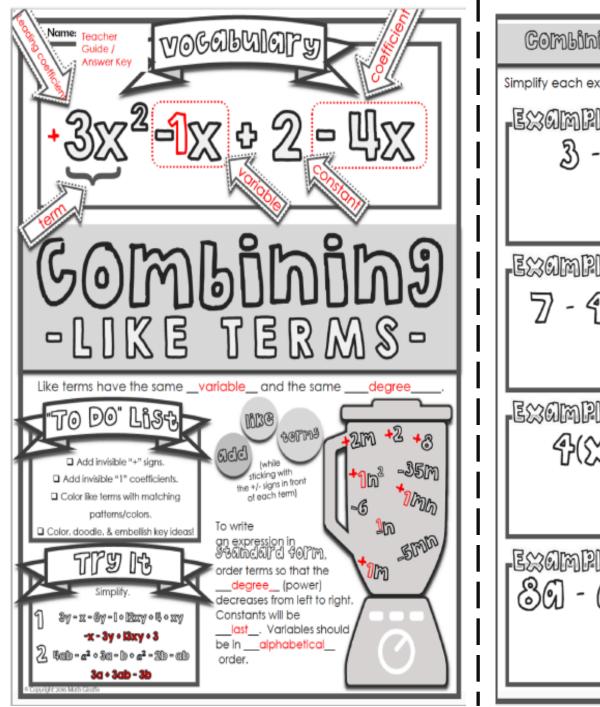
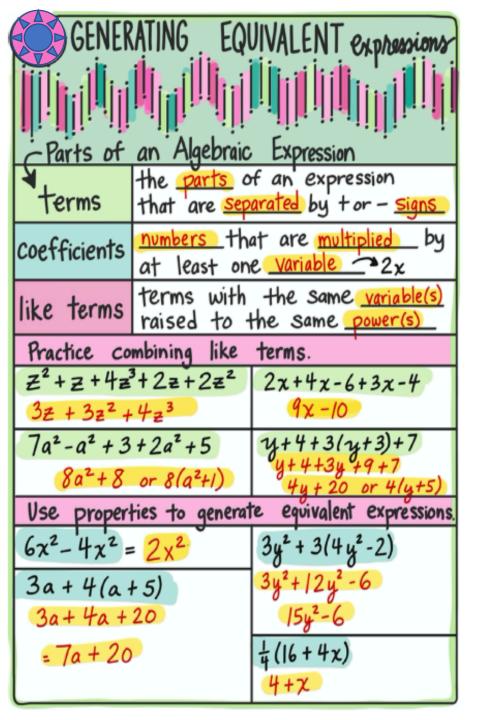
Translating Expressions	Add Increase sum more than higher increased by plus together add
Subtract lessthan difference decreased by lower decrease minus fewer	Multiply times area product of. twice three times(etc.)
Divide Per Split avorient by Shared divided each out of	Equal to 15 Was yields "Than" is a switch word: 5 less than 6 => 6-5



Additional Notes: Distribute First! Combining like terms - practic Answers should be in standard form Early finishers: Simplify each expression. Write each answer in standard Have students add all terms in the blender! Example 1 3 - 51 + 12 + 21 - 3 -31/2 + 12 Example-2 7 - 43 - 23 - 53 + 3 - 3 -53 - ³- 3 - 53 + 7 Exampic-3 위(公 - 3) + 公 - (3公 + 7) 253 - 19 Exampic-4 ଞଗ - ଗ(b + ୁ6) + ଅb(ଗ - b) + ଗ -262 + 361 + 616 Copyright 2016 Moth Giroffe



Commutative: -7	(-7x) x - 2
tommer at white	2 Conformation of the target
E-jt	-2x+3+(-x)+2
Commutative.	-2x-x+3+2
Combine like ton	ms -3x+5
	3 5 2
A	$\frac{3}{4x} - \frac{5}{7} + 11x + \frac{2}{7}$
commutative the	perty: $\frac{3}{4x+11x}$ + $\frac{5}{7}$ + $\frac{2}{7}$
Combine like-	terms: 11=4x - ==
dia anson appa	Existence in the adaption of the
Conversion Supersey	-3-x+3
Commutative	
Combine	$\left[x + \frac{2}{3} \right]$
3×	2x+3 white C
Commutative proper	ty 2x+3 7 3+2x
	+ H- LESSER when the
	2x + 3x + 5
ASSOCIATIVE	(2x+3x)+5
Mara unel b	[5x+5]
anihulan	has all come

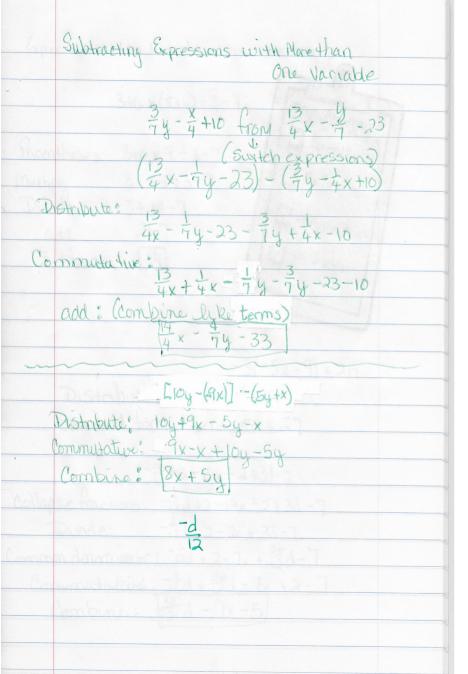
Adding & Subtracting Expressions (-2.1x + 3.7) + (5+4.9x)commutative property $\rightarrow -2.1x + 4.9x + 3.7 + 5$ Add $\rightarrow -\frac{12.8x + 8.7}{2.8x + 8.7}$

clara is planning a party. She has budgeted \$30 for Sandwickes \$25 for drinks, and \$25 for gift bago. Sandwickes = \$2.50 per person drinks = \$1.50 per person bags = \$3 per person How much money will Clara have left 1f x people come? Combine expressions: (30-2.5x) + (25-1.5x) + (25-3x) Commutative prop: -2.5x-1.5x-3x+30+25+25 Combine like terms: [-7x + 80]

Use Substitution: -7x+80; let x=5 -7(5) +80 Order of operations: -35 +80 (multiply) \$45 (add) Clara will have \$45 left if 5 people, including herself, come.

(=x+q)-(=-x) distribute the regarise Subtractions, 5x+q - q+x Commutative: $\frac{5}{2}x + x + \frac{1}{9} - \frac{4}{9}$ Makie x a fraction: $\frac{5}{2}x + \frac{6}{2}x + \frac{1}{9} - \frac{4}{9}$ add: $\frac{11}{10}x - \frac{3}{9}$ Simplify: $1\frac{6}{2}x - \frac{1}{3}$ (Standard form) at least one vallable -2x (5x+3) - (3x+4)Distributive: 5x+3-3x-4 Indiana Computative: 5x-3x+3-4 ad : 2x-11 $(\frac{3}{4}x - \frac{2}{3}) - (\frac{-5}{6} + 2x)$ Distribute: 3×-3+5-2× Commutative: 2x+ 4x - 3+ 5 Change $-\frac{2}{4}x^{+}\frac{3}{4x}$, $\frac{4}{5}$ + $\frac{5}{5}$ Add $\left(-\frac{5}{4}x+\frac{1}{5}\right)$

adding Expressions with more than $\left(\frac{3}{7}y - \frac{x}{4} + 10\right) + \left(\frac{13}{4}x - \frac{13}{7} - 23\right)$ Commutative: $\frac{3}{7}y - \frac{y}{7} - \frac{x}{4} + \frac{13}{7}x + 10 - 23$ Associative: $(\frac{3}{7}y - \frac{1}{7}y) + (\frac{1}{4}x + \frac{13}{7}x) + 10 - 23$ Distribute: y(3-7) + x(-2+13) + 10-23 add/subtract: $y(\frac{2}{7}) + x(\frac{12}{4}) - 13$ Standard form: $\frac{12}{4} \times + \frac{2}{7} \cdot y - 13$ variables in abe 4-3b+4a+2a+4b-C: 4a+za-3b+2b+4-7 common. + 4 + 2 a - 4 6 + 2 6 + 4 - 7 Ordera ada: 44-26-3 mmo) = Cont Simplify: 44-36-30 Make Sure you box show in 15 left of 8 people answer]



Expressions with More than one operation 3+6×(5+4)=3-7 reminders 1 Parentheses Parentheses 3+6×9=3-7 Ex Ponents multiply 3+54:3-7 Divide 3+18-7 I multiply, Divide 21-7 add Add, Subtract Subtract 14 -3(-5z-9)+2nDistribute: 152+27+21 Standard form: 2n+152+27 -d+2-14x=2+3d-7 collapse fractions: -izd +2-14x = 2+3d -7 Divide: -12d+2-7x+3d-7 moren denominator: -ind + 2-7x + ind -7 Commutative: 12d + 32d - 7x + 2 - 7 Combine: 13-d - 7x -5,

Proposed and the second to
Expressions with more than one operation 5 more than twice a number
$5+2x \Rightarrow 3x+5$
Dave times a number in creased by 7 4n+7
Dire less than the quotient of Six & a number $\frac{6}{7} - 9$
ten less than a number divided by twelve 12-10
two more than a number cubed (Cubic us) x ³ + 2
one more than a number somered when $n=4$ $n^2 + 1 \Rightarrow 4^2 + 1 \Rightarrow 16 + 1 = 17$
O Replace Key words with variables, numbers, & operations 3 Substitute the given value for the variable 3 Use order of quadrans to simplify
a number cubed minus five when $n=3$ $n^3-5 \Rightarrow 3^3-5 \Rightarrow 27-5 = 22$
the protiend of twenty and a number decreased by ferry when $n=5$ $n=4 \Rightarrow \frac{29}{5} = 4 = 4 = 4$
Six more than the product of nine and a number when $0=6$ $9a + 6 \Rightarrow 9(6)+6 = 54+6 = 60$