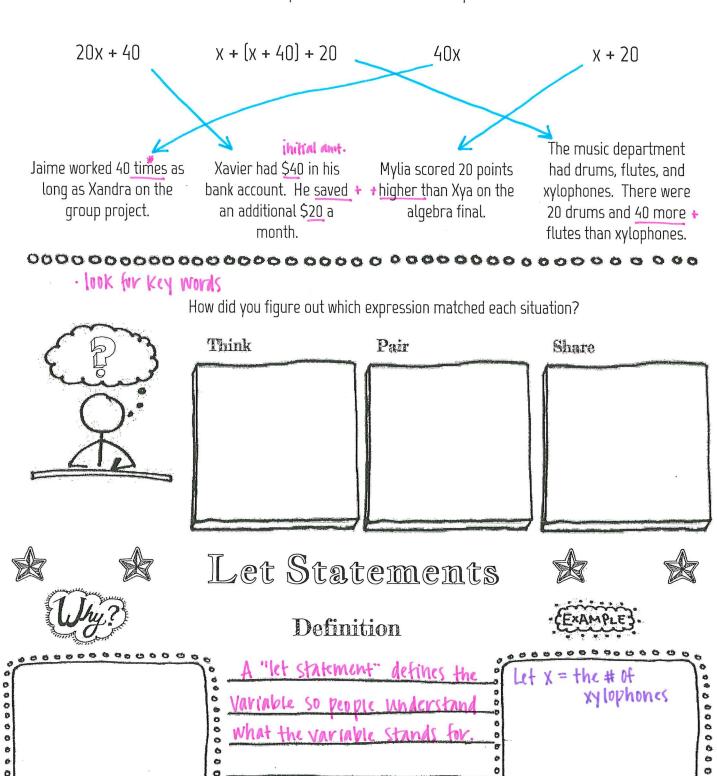
Name	Date
(p.39)	Writing Equations
days left t	s to sell 30 items for the fundraiser. She knows that she has five * o sell. Write an equation to find how many items she must sell per der to reach her goal.
	Define Variable: $X = 4 \text{ of items}$ Equation: $5x = 30$
	$\frac{5X=30}{5} X=6 \text{ items}$
	has \$28 in his pocket. He wants to buy as many candy bars as he 1.75 each. Write an equation to show how many candy bars he
	Define Variable: $x = 40$ (andy bars) Equation: $1.75 \times = 28$ $\frac{1.75 \times = 28}{1.75} \times = 16$ candy bars
_	and his two friends each purchased popcorn at the movies. pcorn costs \$6.25. What was the total amount spent on Splitting lost coming advision.
Por Con	Define Variable: $x = \frac{10 \text{ lnl}}{3} = 10 \text{ l$
Waggor pages e	needs to finish reading <u>The Giver</u> for her book report for Mr. ner. She still has 112 pages. She knows that she can read 20 ach night before bed. Write an equation to show how many will take Daylena to finish her book.
	Define Variable:

Name	Date
	Writing Equations
\$20 for each la	to buy a new sound system for \$145. He has already saved \$65. He gets wn that he mows. Write an equation to show how many lawns Breon must be have enough money for his new sound system.
Step 1:	Define your variable X = # of lawns
Step 2:	Define your variable X = # Of lawns Place the total or what you are trying to get on the right side of the equals sign:
Control of the contro	Figure out what goes on the left side of the equals sign (the other numbers
	in the problem with the variable). 20 x + 65 = 145
off his total bill. box of chocola	
Step 1:	Define your variable X = (0st of a box of chocolate
Step 2:	Place the total or what you are trying to get on the right side of the equals
	sign:
Step 3:	Figure out what goes on the left side of the equals sign (the other numbers
	in the problem with the variable). $6x-1=23$
was \$6. Brittan	mom, and her two siblings went to a movie. The cost of her mother's ticket y's ticket cost the same as her two siblings (under 16 rate). The total for all ch the movie was \$15. Write an equation to show the cost of each of the ckets.
	Define your variable X = Cost of each ticket under 16
	Place the total or what you are trying to get on the right side of the equals
	sign: <u>15</u>
Step 3:	sign: <u>15</u> Figure out what goes on the left side of the equals sign (the other numbers
	in the problem with the variable). $3x + 6 = 15$
cotton candies park. Write an	the amusement park and paid \$7.00 just to get in. She also bought six for herself and her five friends. She spent \$31.00 total at the amusement equation to find the cost of each cotton candy.
	Define your variable X = Cost of cach cotton (andy
Step 2:	Place the total or what you are trying to get on the right side of the equals sign:
Step 3:	Figure out what goes on the left side of the equals sign (the other numbers
3,00	in the problem with the variable). $\frac{7 + 6x = 31}{}$
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WREFERGE QUAFFORS

Match each expression to the situation it represents.



Practice











Write a let statement for each of the situations below.

Situation	Expression	Let Statement
The height of a rectangle is twice its width. Write an expression to represent the perimeter.	2(X+2x) 2x + 4x	X= width
Dakota beads keychains. She spent \$50 on supplies and sells them for \$30 apiece. Write an expression to represent her profit.	30x - 50	X=# of Keychains
Shaylee makes \$3 per hour more than Dustin. Write an expression to represent Shaylee's wage.	x + 3	X = Wages
Kaylissa is staining a shelf. The varnish takes three times longer than the stain to dry. Write an expression to represent the time it takes the varnish to dry.	3х	X = time it takes to dry

Write an expression and let statements for the situations below.

Situation	Expression	Let Statement
Waylon is measuring the growth of a sapling. It is 18 inches tall when he starts taking measurements and grows 3 inches per week. Write an expression to represent the height of the tree.		
Mario is cutting wood. He can cut 50 bundles an hour. Write an expression to represent the number of bundles he cuts.		







