Name:	Date:		Period:
1. If Nick ha	ch using an algebraic expression. as x dollars and his brother Kevin has three times , express algebraically how much money Kevin	2.	Represent the cost of 5 pencils that cost c cents each.
	x = \$ Nick has = \$ Kevin has		c = cost of one pencil = cost of 5 pencils
3. An orang oranges.	ge costs c cents. Represent the cost of a dozen	4.	A hat costs \$4. Represent in dollars the cost of h hats.
	= cost of one orange = cost of a dozen oranges		= cost of one hat = cost of h hats
5. If Peter v gains 10	weighs x pounds, represent his weight after he pounds.	6.	If Sara weighs m pounds, represent her weight after she loses 5 pounds.
	x = Peter's weight = Peter's weight after he gains 10 pounds		m = Sara's weight = Sara's weight after she loses 5 pounds
7. Ellen is y now.	years old now. Represent her age 2 years from	8.	The width of a rectangle is x feet. Represent its length in feet if the length is 8 times the width.
	y = Ellen's age now = Ellen's age 2 years from now		x = width = length
-	th of a rectangle is y inches. Represent its width if h is 3 less than the length.	10.	If 3 pencils cost x cents, represent in cents the cost of one pencil.
	y = length = width		x = cost of 3 pencils = cost of one pencil
Write an equa	tion defining x = the number as the variable and so	lve. ۱	Nrite your answer as a statement.
1. If three t Find the	times a number is increased by 15, the result is 36.	2.	If 4 times a number is decreased by 24, the result is 28. Find the number. Let x = the number
Let $\mathbf{x} = \mathbf{t}$	ie number		Let x = the number
	The number is		The number is
Find the	ubtracted from twice a number, the result is 35. number. ne number	4.	If 18 more than 5 times a number is 13, find the number. Let x = the number
	The number is		The number is
the num	ber is added to twice itself, the result is 36. Find ber. ne number	6.	If twice a number is increased by 34, the result is 20. Find the number. Let x = the number
	The number is		The number is

Translating Algebraic Word Problems