

Name : _____

Translating Linear Inequalities

OS1

Translate each verbal phrase into an inequality.

1)	The quotient of x and 3 is less than or equal to 5	_____
2)	The difference between x and 4 is greater than 10	_____
3)	The product of x and 7 is not greater than 21	_____
4)	x reduced by 13 is at least 15	_____
5)	x take away 5 is less than 8	_____
6)	x multiplied by 11 is less than or equal to 22	_____
7)	The ratio of x to 4 is not less than 9	_____
8)	13 more than x is greater than 14	_____
9)	2 subtracted from x is at most 3	_____
10)	A total of six and x is less than 20	_____

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Answer Key

Translating Linear Inequalities

OS1

Translate each verbal phrase into an inequality.

1)	The quotient of x and 3 is less than or equal to 5	$\frac{x}{3} \leq 5$
2)	The difference between x and 4 is greater than 10	$x - 4 > 10$
3)	The product of x and 7 is not greater than 21	$7x \leq 21$
4)	x reduced by 13 is atleast 15	$x - 13 \geq 15$
5)	x take away 5 is less than 8	$x - 5 < 8$
6)	x multiplied by 11 is less than or equal to 22	$11x \leq 22$
7)	The ratio of x to 4 is not less than 9	$\frac{x}{4} \geq 9$
8)	13 more than x is greater than 14	$x + 13 > 14$
9)	2 subtracted from x is atmost 3	$x - 2 \leq 3$
10)	A total of six and x is less than 20	$6 + x < 20$