

Name : _____

Translating Linear Inequalities

OS3

Translate each verbal phrase into an inequality.

1) The product of x and 3 is greater than 15

2) x reduced by 5 is at most 2

3) The quotient of x and 4 is at least 10

4) 6 more than x is at most 12

5) x take away 9 is at least 15

6) The ratio of x to 3 is at least 4

7) x multiplied by 2 is at most 10

8) 4 subtracted from x is at least 13

9) A total of one and x is less than 5

10) The difference between x and 7 is greater than 12

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Answer Key

Translating Linear Inequalities

OS3

Translate each verbal phrase into an inequality.

1)	The product of x and 3 is greater than 15	$3x > 15$
2)	x reduced by 5 is atmost 2	$x - 5 \leq 2$
3)	The quotient of x and 8 is at least 6	$\frac{x}{8} \geq 6$
4)	6 more than x is less than 4	$x + 6 < 4$
5)	x take away 9 is greater than 20	$x - 9 > 20$
6)	The ratio of x to 5 is less than 7	$\frac{x}{5} < 7$
7)	x multiplied by 2 is greater than 16	$2x > 16$
8)	4 subtracted from x is atleast 13	$x - 4 \geq 13$
9)	A total of one and x is less than 5	$1 + x < 5$
10)	The difference between x and 7 is greater than 12	$x - 7 > 12$

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