

Name : \_\_\_\_\_

## Translating Linear Inequalities

TES1

Translate each verbal phrase into an inequality.

1) Twice the sum of  $x$  and 3 is less than 5

\_\_\_\_\_

2) 4 times  $x$  plus 2 is at most 10

\_\_\_\_\_

3) Fifteen more than

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4) The sum of two times

5) Eight less than five

6) Thrice the difference

7) Eleven less than

8) Twice the sum of 13 and  $x$  is not greater than 15

\_\_\_\_\_

9) Fourteen less than five times a number is at most 10

\_\_\_\_\_

10) Thrice the sum of  $x$  and 12 is greater than or equal to 8

\_\_\_\_\_

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## Answer Key

### Translating Linear Inequalities

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Translate each verbal phrase into an inequality.

1)	Twice the sum of x and 3 is less than 5	$2(x + 3) < 5$
2)	4 times x plus 2 is at most 10	$4x + 2 \leq 10$
3)	Fifteen more than three times a number is less than or equal to 7	$3x + 15 \leq 7$
4)	The sum of two times a number and one is greater than or equal to 11	$2x + 1 \geq 11$
5)	Eight less than five times a number is greater than 6	$5x - 8 > 6$
6)	Thrice the difference of a number and 4 is less than 9	$3(x - 4) < 9$
7)	Eleven less than seven times a number is greater than or equal to 2	$7x - 11 \geq 2$
8)	Twice the sum of 13 and x is not greater than 15	$2(13 + x) \leq 15$
9)	Fourteen less than five times a number is at most 10	$5x - 14 \leq 10$
10)	Thrice the sum of x and 12 is greater than or equal to 8	$3(x + 12) \geq 8$

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