

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

## Translating Linear Inequalities

TES2

Translate each verbal phrase into an inequality.

1) Four times the difference between  $x$  and 6 is less than 2 \_\_\_\_\_

2) Nineteen more than seven times a number is at most 8 \_\_\_\_\_

3) Thrice the sum of \_\_\_\_\_

4) Twelve less than \_\_\_\_\_

5) Fourteen more than \_\_\_\_\_

6) Twice the sum of \_\_\_\_\_

7) Three less than 1 \_\_\_\_\_

8) The sum of eight times  $x$  and four is at most 13 \_\_\_\_\_

9) Sixteen more than five times a number is at least 9 \_\_\_\_\_

10) Four times the sum of  $x$  and 2 is less than 14 \_\_\_\_\_

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## Answer Key

### Translating Linear Inequalities

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Translate each verbal phrase into an inequality.

1)	Four times the difference between $x$ and 6 is less than 2	$4(x - 6) < 2$
2)	Nineteen more than seven times a number is at most 8	$7x + 19 \leq 8$
3)	Thrice the sum of 11 and $x$ is at least 15	$3(11 + x) \geq 15$
4)	Twelve less than four times a number is less than 6	$4x - 12 < 6$
5)	Fourteen more than twice a number is at least 1	$2x + 14 \geq 1$
6)	Twice the sum of a number and 7 is at most 10	$2(x + 7) \leq 10$
7)	Three less than 11 times a number is greater than 9	$11x - 3 > 9$
8)	The sum of eight times $x$ and four is at most 13	$8x + 4 \leq 13$
9)	Sixteen more than five times a number is at least 9	$5x + 16 \geq 9$
10)	Four times the sum of $x$ and 2 is less than 14	$4(x + 2) < 14$

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