

## Answer key

Translate each verbal phrase into an algebraic expression :

1) Twice the sum of  $x$  and 3 is less than 5  $2(x + 3) < 5$

2) 4 times  $x$  plus 2 is atmost 10  $4x + 2 \leq 10$

3) Fifteen more than three times a number is atmost 7  $3x + 15 \leq 7$

4) The sum of two times  $x$  and one is atleast 11  $2x + 1 \geq 11$

5) Eight less than five times a number is greater than 6  $5x - 8 > 6$

6) Thrice the difference between  $x$  and 4 is less than 9  $3(x - 4) < 9$

7) Eleven less than 7 times a number is atleast 2  $7x - 11 \geq 2$

8) Twice the sum of 13 and  $x$  is not greater than 15  $2(13 + x) < 15$

9) Fourteen less than five times a number is atmost 10  $5x - 14 \leq 10$

10) Thrice the sum of  $x$  and 12 is greater than or equal to 8  $3(x + 12) \geq 8$