Translate Phrases into an Algebraic Statement

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Write an algebraic expression for each phrase.

1) Twice a number divided by fifty.

2) The quotient of thirty-three and a number.

3) A number decreased by seven times the sum of a number and ten.

4) seven times the sum of a number and thirty-five.

5) The sum of twenty-four and a number.

6) three times a number decreased by thirty.

7) The quotient of twelve and a number.

8) two times the sum of a number and forty-five.

9) The sum of twelve and a number.

10) A number divided by twenty-one.

11) Twice a number divided by twenty.

12) A number decreased by seven times the sum of a number and twenty-five.

13) A number decreased by four times the sum of a number and twenty.

14) five times a number decreased by ten.

15) The quotient of thirty and a number.

16) The quotient of fifteen and a number.

17) The difference between sixteen and a number.

18) A number decreased by seven times the sum of a number and fifteen.

19) three times the sum of a number and ten.

20) The sum of forty-four and a number.

21) Twice a number divided by twenty-five.

22) two times a number decreased by thirty-five.

23) The difference between eight and a number.

24) The sum of twenty and a number.

25) A number increased by twelve.

26) A number divided by fifteen.

27) A number increased by forty.

28) The sum of twenty-eight and a number.

29) The difference between forty-four and a number.

30) A number decreased by thirty-six.

Answers of Translate Phrases into an Algebraic

Write an algebraic expression for each phrase.

1) Twice a number divided by fifty. ⇒ $\frac{2x}{50}$

2) The quotient of thirty-three and a number. ⇒ $\frac{33}{x}$

3) A number decreased by seven times the sum of a number and ten. ⇒ $(x-7)(x+10)$

4) seven times the sum of a number and thirty-five. ⇒ $7(x+35)$

5) The sum of twenty-four and a number. ⇒ $24+x$

6) three times a number decreased by thirty. ⇒ $3(x-30)$

7) The quotient of twelve and a number. ⇒ $\frac{12}{x}$

8) two times the sum of a number and forty-five. ⇒ $2(x+45)$

9) The sum of twelve and a number. ⇒ $12+x$

10) A number divided by twenty-one. ⇒ $\frac{x}{21}$

11) Twice a number divided by twenty. ⇒ $\frac{2x}{20}$

12) A number decreased by seven times the sum of a number and twenty-five. ⇒ $(x-7)(x+25)$

13) A number decreased by four times the sum of a number and twenty. ⇒ $(x-4)(x+20)$

14) five times a number decreased by ten. ⇒ $5(x-10)$

15) The quotient of thirty and a number. ⇒ $\frac{30}{x}$

16) The quotient of fifteen and a number. ⇒ $\frac{15}{x}$

17) The difference between sixteen and a number. ⇒ $16-x$

18) A number decreased by seven times the sum of a number and fifteen. ⇒ $(x-7)(x+15)$

19) three times the sum of a number and ten. ⇒ $3(x+10)$

20) The sum of forty-four and a number. ⇒ $44+x$

21) Twice a number divided by twenty-five. ⇒ $\frac{2x}{25}$

22) two times a number decreased by thirty-five. ⇒ $2(x-35)$

23) The difference between eight and a number. ⇒ $8-x$

24) The sum of twenty and a number. ⇒ $20+x$

25) A number increased by twelve. ⇒ $x+12$

26) A number divided by fifteen. ⇒ $\frac{x}{15}$

27) A number increased by forty. ⇒ $x+40$

28) The sum of twenty-eight and a number. ⇒ $28+x$

29) The difference between forty-four and a number. ⇒ $44-x$

30) A number decreased by thirty-six. ⇒ $x+36$