

Name _____

Write an algebraic expression for the quantity. Let x represent the unknown value.

- 1) A quantity increased by 57.
- 2) A quantity increased by 46.
- 3) Eight greater than a number.
- 4) Four greater than a number.
- 5) Eleven less than a number.
- 6) One fewer than a number.
- 7) Ten divided by a number.
- 8) Five divided by a number.
- 9) A value decreased by three.
- 10) A value decreased by eleven.
- 11) One-third of a number.
- 12) Triple a number.
- 13) One-eighth of a quantity.
- 14) Two-thirds of a quantity.
- 15) Half of a number.
- 16) The sum of two times a number and three.
- 17) The sum of ten times a number and two.

18) The sum of five times a number and nine.

27) Eight times a number decreased by three-fourths of the same number.

19) Four times the sum of a number and two.

28) Three times a number decreased by one-third of the same number.

20) Six times the sum of a number and four.

29) Ten times the sum of a number and eleven.

21) Five times the sum of a number and eleven.

30) Four less than three-fourths of a number.

22) Seven less than one-eighth of a number.

31) Nine times the sum of a number and five.

23) Five less than half of a number.

32) Two divided by a number.

24) Four less than two-thirds of a number.

33) The sum of two times a number and nine.

25) Two times a number decreased by three-fourths of the same number.

34) Four times the sum of a number and seven.

26) Eleven times a number decreased by triple the same number.

35) Eight times the sum of a number and nine.

Answer Key

Testname: 01.1V01B

1) $x + 57$

2) $x + 46$

3) $x + 8$

4) $x + 4$

5) $x - 11$

6) $x - 1$

7) $\frac{10}{x}$

8) $\frac{5}{x}$

9) $x - 3$

10) $x - 11$

11) $\frac{x}{3}$

12) $3x$

13) $\frac{x}{8}$

14) $\frac{2x}{3}$

15) $\frac{x}{2}$

16) $2x + 3$

17) $10x + 2$

18) $5x + 9$

19) $4(x + 2)$

20) $6(x + 4)$

21) $5(x + 11)$

22) $\frac{x}{8} - 7$

23) $\frac{x}{2} - 5$

24) $\frac{2x}{3} - 4$

25) $2x - \frac{3x}{4}$

26) $11x - 3x$

27) $8x - \frac{3x}{4}$

28) $3x - \frac{x}{3}$

29) $10(x + 11)$

30) $\frac{3x}{4} - 4$

31) $9(x + 5)$

32) $\frac{2}{x}$

Answer Key

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33) $2x + 9$

34) $4(x + 7)$

35) $8(x + 9)$