

**Translating Phrases - Linear Expression**

ES1

Translate each verbal phrase into an algebraic expression.

1) The sum of  $x$  and 2

\_\_\_\_\_

2)  $t$  divided by 8

\_\_\_\_\_

3) The product of 9 and  $m$

\_\_\_\_\_

4) Subtract 5 from  $c$

\_\_\_\_\_

5) Combine  $y$  and 7

\_\_\_\_\_

6) Three-sevenths of  $h$

\_\_\_\_\_

7) 3 multiplied by  $d$

\_\_\_\_\_

8) One-quarter added to  $n$

\_\_\_\_\_

9)  $b$  decreased by 10

\_\_\_\_\_

10) One-half of  $k$

\_\_\_\_\_

**Translating Phrases - Linear Expression**

ES2

Translate each verbal phrase into an algebraic expression.

1) The difference between  $z$  and 20

\_\_\_\_\_

2) Twice  $q$

\_\_\_\_\_

3) Add  $j$  to 1

\_\_\_\_\_

4) 5 divides  $e$

\_\_\_\_\_

5)  $b$  diminished by 14

\_\_\_\_\_

6) The Product of 4 and  $g$

\_\_\_\_\_

7) 10 times  $t$  divided by 3

\_\_\_\_\_

8)  $f$  increased by 2

\_\_\_\_\_

9)  $r$  less than one-eighth

\_\_\_\_\_

10) 7 times  $p$

\_\_\_\_\_

**Translating Phrases - Linear Expression**

ES3

Translate each verbal phrase into an algebraic expression.

1) 6 multiplied by m \_\_\_\_\_

2) 13 plus f \_\_\_\_\_

3) Take away 4 from y \_\_\_\_\_

4) 10 times w \_\_\_\_\_

5) 7 more than g \_\_\_\_\_

6) k minus 16 \_\_\_\_\_

7) One-fifth of s \_\_\_\_\_

8) The total of r and 10 \_\_\_\_\_

9) q reduced by the quotient of 2 and 3 \_\_\_\_\_

10) b separated into 9 equal parts \_\_\_\_\_

**Translating Phrases - Linear Expression**

MS1

Translate each verbal phrase into an algebraic expression.

1) Subtract 5 from one-half of  $y$

\_\_\_\_\_

2) The product of 4 and  $t$  is added to 1

\_\_\_\_\_

3) 3 times  $c$  minus 6

\_\_\_\_\_

4) Two-fifths of  $x$  is reduced by 7

\_\_\_\_\_

5) Subtract a half from the product of 2 and  $b$

\_\_\_\_\_

6) Product of  $x$  and 4 is decreased by one-quarter

\_\_\_\_\_

7) Total of 8 and 4 times  $y$

\_\_\_\_\_

8) Sum of one-sixth and thrice of  $n$

\_\_\_\_\_

9) Ratio of  $m$  and 7 added to 2

\_\_\_\_\_

10) One-fifth of  $x$  is subtracted from 18

\_\_\_\_\_

**Translating Phrases - Linear Expression**

MS2

Translate each verbal phrase into an algebraic expression.

- 1) 7 times sum of  $c$  and 2 \_\_\_\_\_
- 2) The ratio of  $y$  and five plus 4 \_\_\_\_\_
- 3) Six reduced by 5 multiplied by  $h$  \_\_\_\_\_
- 4) The total of  $z$  and 3 divided by 7 \_\_\_\_\_
- 5) 9 more than one-half of  $y$  \_\_\_\_\_
- 6) Difference between 5 times  $g$  and 4 \_\_\_\_\_
- 7) 2 subtracted from one-fifth of  $c$  \_\_\_\_\_
- 8) 8 times the difference between  $x$  and 3 \_\_\_\_\_
- 9) The sum of 8 times  $b$  and 4 \_\_\_\_\_
- 10) One-third of sum of  $z$  and 4 \_\_\_\_\_

**Translating Phrases - Linear Expression**

MS3

Translate each verbal phrase into an algebraic expression.

- 1) One-eighth of  $q$  added to 4 \_\_\_\_\_
- 2) The sum of 5 and  $p$  is divided by 2 \_\_\_\_\_
- 3) One-fourth of the difference between  $y$  and 3 \_\_\_\_\_
- 4) Twelve more than the product of 6 and  $x$  \_\_\_\_\_
- 5) Twice of  $b$  is decreased by one-quarter \_\_\_\_\_
- 6) Quotient of  $z$  and 5 plus one-half \_\_\_\_\_
- 7) Difference between fourteen and 9 times  $c$  \_\_\_\_\_
- 8) Multiply one-third and  $x$  minus 6 \_\_\_\_\_
- 9) Sum of twenty-seven and 5 times  $g$  \_\_\_\_\_
- 10) Total of one-fifth and 4 times as much as  $q$  \_\_\_\_\_

**Translating Phrases - Linear Expression**

DS1

Translate each verbal phrase into an algebraic expression.

- 1) Two times the difference between seven times  $x$  and four \_\_\_\_\_
- 2) Sum of eight and product of 6 and  $y$  is multiplied by three-fifths \_\_\_\_\_
- 3) Three divides twice of  $g$  minus nine \_\_\_\_\_
- 4) Thrice of product of five and  $b$  is reduced by 2 \_\_\_\_\_
- 5) One-quarter of sum of half of  $x$  and six \_\_\_\_\_
- 6) One-half times fourteen lowered by the factor of four and  $z$  \_\_\_\_\_
- 7) Total of seven-quarters of  $c$  and one-sixth \_\_\_\_\_
- 8) The ratio of thrice of  $x$  minus six to five \_\_\_\_\_
- 9) Multiply 5 and sum of twice of  $d$  and ten \_\_\_\_\_
- 10) Product of one-seventh and double of  $y$  minus one-half \_\_\_\_\_

**Translating Phrases - Linear Expression**

DS2

Translate each verbal phrase into an algebraic expression.

- 1) 8 divides the difference between thrice of b and 15 \_\_\_\_\_
- 2) The Product of one-quarter and total of two-fifths of k and one-third \_\_\_\_\_
- 3) 24 plus 6 times x is multiplied by 9 \_\_\_\_\_
- 4) Multiply half of seven and factor of 8 and z minus 13 \_\_\_\_\_
- 5) 5 times one-sixth less than the thrice of t \_\_\_\_\_
- 6) 3 divides sum of product of seven and y and 8 \_\_\_\_\_
- 7) Multiply 10 and 4 times v reduced by 20 \_\_\_\_\_
- 8) One-half of total of one-third and nine times t \_\_\_\_\_
- 9) Four-fifths multiplies product of 11 and x plus 25 \_\_\_\_\_
- 10) Product of 8 and 32 decreased by the factor of 5 and w \_\_\_\_\_



**Translating Phrases - Linear Expression**

DS3

Translate each verbal phrase into an algebraic expression.

- 1) Multiply one-third and total of one-half of  $3x$  and one-seventh \_\_\_\_\_
- 2) The product of 4 and 9 times  $c$  increased by one-fifth \_\_\_\_\_
- 3) 6 times  $y$  reduced by 14 is multiplied by 13 \_\_\_\_\_
- 4) One-half of sum of 3 times  $v$  and twenty-eight \_\_\_\_\_
- 5) 9 divides sixteen plus product of 5 and  $w$  \_\_\_\_\_
- 6) Difference between twice of  $z$  and one-third multiplied by one-quarter \_\_\_\_\_
- 7) Doubled 3 times  $h$  minus eighteen \_\_\_\_\_
- 8) Multiply one-fifth and total of one-quarter of  $t$  and 7 \_\_\_\_\_
- 9) Quotient of 9 times  $x$  minus 24 and 6 \_\_\_\_\_
- 10) Sum of one-quarter of  $5c$  and one-half multiplied by 3 \_\_\_\_\_