<table>
<thead>
<tr>
<th>ENGLISH PHRASES</th>
<th>ALGEBRAIC EXPRESSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ten more than a number</td>
<td>( x + 10 )</td>
</tr>
<tr>
<td>A number added to five</td>
<td>( 5 + x )</td>
</tr>
<tr>
<td>A number increased by thirteen</td>
<td>( x + 13 )</td>
</tr>
<tr>
<td>Four less than ten</td>
<td>( 10 - 4 )</td>
</tr>
<tr>
<td>Six less than a number</td>
<td>( x - 6 )</td>
</tr>
<tr>
<td>A number decreased by seven</td>
<td>( x - 7 )</td>
</tr>
<tr>
<td>The difference between a number and three</td>
<td>( x - 3 )</td>
</tr>
<tr>
<td>The difference between three and a number</td>
<td>( 3 - x )</td>
</tr>
<tr>
<td>Twice a number</td>
<td>( 2x )</td>
</tr>
<tr>
<td>Half (of) a number</td>
<td>( \frac{1}{2} x ) or ( \frac{x}{2} )</td>
</tr>
<tr>
<td>A number squared or the square of a number</td>
<td>( x^2 )</td>
</tr>
<tr>
<td>The square of five more than a number</td>
<td>( (x + 5)^2 )</td>
</tr>
<tr>
<td>Five more than the square of a number or the square of a number, increased by five</td>
<td>( x^2 + 5 )</td>
</tr>
<tr>
<td>Ten percent of a number</td>
<td>( 0.10x )</td>
</tr>
<tr>
<td>Ten times a number</td>
<td>( 10x )</td>
</tr>
<tr>
<td>Quotient of a number and three</td>
<td>( \frac{x}{3} )</td>
</tr>
<tr>
<td>Quotient of three and a number</td>
<td>( \frac{3}{x} )</td>
</tr>
<tr>
<td>Five times the sum of a number and two</td>
<td>( 5(x + 2) )</td>
</tr>
<tr>
<td>Five times the difference of a number and four</td>
<td>( 5(x - 4) )</td>
</tr>
<tr>
<td>Five is three more than a number</td>
<td>( 5 = x + 3 )</td>
</tr>
<tr>
<td>The product of two and a number is ten</td>
<td>( 2x = 10 )</td>
</tr>
<tr>
<td>One half (of) a number is ten</td>
<td>( \frac{1}{2} x = 10 )</td>
</tr>
<tr>
<td>Ten less than eight times a number is five more than the number</td>
<td>( 8x - 10 = x + 5 )</td>
</tr>
<tr>
<td>The sum of five times a number and ten is equal to the product of 15 and the number</td>
<td>( 5x + 10 = 15x )</td>
</tr>
<tr>
<td>The sum of two consecutive integers</td>
<td>( x + (x + 1) )</td>
</tr>
<tr>
<td>The sum of two consecutive even integers</td>
<td>( x + (x + 2) )</td>
</tr>
<tr>
<td>The sum of two consecutive odd integers</td>
<td>( x + (x + 2) )</td>
</tr>
<tr>
<td>The sum of the squares of two consecutive integers</td>
<td>( x^2 + (x + 1)^2 )</td>
</tr>
<tr>
<td>The sum of the cubes of two consecutive integers</td>
<td>( x^3 + (x + 1)^3 )</td>
</tr>
</tbody>
</table>
Amplify, amplified by
Amounts to
Also
VC DEPARTMENT OF MATHEMATICS REVISED FALL 2014
Alike
Add, add up, added to, addition,
Appreciate
Are (equal)
Area
Balances
Bigger (than)
Coincides (with)
Combine(d)
Corresponds (to)
Cut (by)
Cut by a factor of
Decline, declined by
Decline(d) by a factor of
Decrease(d) by, decrement
Decrease(d) by a factor of
Deduct, deducted from
Depreciate
Difference (of)
Diminished (by)
Diminished by a factor of
Divide, divided by, divided into
Double(d)
Dropped by
Dropped by a factor of
Dwindle
Equal, equals
Equivalent (to)
Exceeds
Exceeds by
Factors
Fall
Farther
Fewer than
Find the total
Fraction
Fraction of
Gain
Gives (a result of), giving
Go (went) up
Go (went) up by a factor of
Greater (than)
Grew by, grow by
Halved
Identical to
In addition (to)
In all
In excess
Increased (by), increment
Increase(d) by a factor of
Intensified by
Interest on
Is (equal)
Is greater (than)
Is less (than)
Less (than)
Larger (than)
Lengthen (by), longer (than)
Lower, lowered by
Matches
Magnified by
Minus
More (than)
Multiple, multiply, multiplied by
Narrower (than)
Net
Of [usually in connection with fractions]
Older (than)
On top of
Per
Percent (of)
Perimeter
Plus
Product (of)
Quadruple(d)
Quarter
Quantity
Quotient (of)
Raise, raised by, rise
Ratio (of)
Reciprocal (of)
Reduce, reduce(d) by
Reduce(d) by a factor of
Represents
Result (is), results (are), results in
Same (result) as
Smaller (than)
Smaller by a factor of
Shorten (by), shorter (than)
Subdivide
Subtract, subtracted from
Sum (of), summation
Take away, take from
Tally (up)
Thrice
Times, times as much, times larger, times more, times older
Times less, times smaller, times younger
Together
Total (is)
Total of
Triple(d)
Twice
Volume
Was (equal), were (equal)
Wider (than)
Will be (equal)
Years older (than)
Yields