

**NAME:**

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## Translating Algebraic Phrases (A)

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Instructions: Write an algebraic expression for each phrase.

a number decreased by ninety-two

\_\_\_\_\_

the sum of eighty-nine and a number

\_\_\_\_\_

a number added to thirty-six

\_\_\_\_\_

the sum of a number and twenty-six

\_\_\_\_\_

the difference between forty-six and a number

\_\_\_\_\_

the sum of a number and forty-three

\_\_\_\_\_

the quotient of twenty and a number

\_\_\_\_\_

a number increased by sixty-five

\_\_\_\_\_

the sum of seventy and a number

\_\_\_\_\_

a number increased by eighteen

\_\_\_\_\_

fifty-five times a number

\_\_\_\_\_

fourteen times a number

\_\_\_\_\_

a number increased by sixty-five

\_\_\_\_\_

the sum of fifty-two and a number

\_\_\_\_\_

seventy-five more than a number

\_\_\_\_\_

Name \_\_\_\_\_ Date \_\_\_\_\_

### Translating Words Into Algebraic Expressions

| Operation | Words  | Algebraic Expression        |
|-----------|--|-----------------------------|
| <b>+</b>  | <ul style="list-style-type: none"> <li>• Put together or combine</li> <li>• _____ 3 to a number</li> <li>• a number _____ 3</li> <li>• the _____ of a number and 3</li> <li>• 3 _____ a number</li> <li>• a number _____ 3</li> </ul>  | $n + 3$                     |
| <b>-</b>  | <ul style="list-style-type: none"> <li>• Find out how much more or less</li> <li>• _____ 12 from a number</li> <li>• a number _____ 12</li> <li>• the _____ a number and 12</li> <li>• 12 _____ a number</li> <li>• a number _____ by 12</li> <li>• _____ 12 from a number</li> <li>• a number _____ 12</li> </ul> | $x - 12$                    |
| <b>•</b>  | <ul style="list-style-type: none"> <li>• Put together groups of equal parts</li> <li>• 2 _____ a number</li> <li>• 2 _____ by a number</li> <li>• the _____ of 2 and a number</li> </ul>   | $2 \cdot m$ or $2m$         |
| <b>÷</b>  | <ul style="list-style-type: none"> <li>• Separate into equal groups</li> <li>• 6 _____ a number</li> <li>• a number _____ 6</li> <li>• the _____ of a number and 6</li> </ul>  | $a \div 6$ or $\frac{a}{6}$ |

NAME:

## Translating Algebraic Phrases (A)

Instructions: Write an algebraic expression for each phrase.

a number decreased by ninety-two

$$n - 92$$

the sum of eighty-nine and a number

$$89 + n$$

a number added to thirty-six

$$36 + n$$

the sum of a number and twenty-six

$$n + 26$$

the difference between forty-six and a number

$$46 - n$$

the sum of a number and forty-three

$$n + 43$$

the quotient of twenty and a number

$$20 \div n$$

a number increased by sixty-five

$$n + 65$$

the sum of seventy and a number

$$70 + n$$

a number increased by eighteen

$$n + 18$$

fifty-five times a number

$$55n$$

fourteen times a number

$$14n$$

a number increased by sixty-five

$$n + 65$$

the sum of fifty-two and a number

$$52 + n$$

seventy-five more than a number

$$n + 75$$

Name

Answer Key

Date

11/20

## Translating Words Into Algebraic Expressions

| Operation | Words  | Algebraic Expression        |
|-----------|--|-----------------------------|
| +         | <ul style="list-style-type: none"> <li>Put together or combine</li> <li><u>add</u> 3 to a number</li> <li>a number <u>plus</u> 3</li> <li>the <u>sum</u> of a number and 3</li> <li>3 <u>added to</u> a number</li> <li>a number <u>increased by</u> 3</li> </ul>  | $n + 3$                     |
| -         | <ul style="list-style-type: none"> <li>Find out how much more or less</li> <li><u>subtract</u> 12 from a number</li> <li>a number <u>minus</u> 12</li> <li>the <u>difference of</u> a number and 12</li> <li>12 <u>less than</u> a number</li> <li>a number <u>decreased</u> by 12</li> <li><u>take away</u> 12 from a number</li> <li>a number <u>minus</u> 12</li> </ul> | $x - 12$                    |
| •         | <ul style="list-style-type: none"> <li>Put together groups of equal parts</li> <li>2 <u>times</u> a number</li> <li>2 <u>multiplied by</u> by a number</li> <li>the <u>product</u> of 2 and a number</li> </ul>  | $2 \cdot m$ or $2m$         |
| ÷         | <ul style="list-style-type: none"> <li>Separate into equal groups</li> <li>6 <u>groups of</u> a number</li> <li>a number <u>divided by</u> 6</li> <li>the <u>quotient</u> of a number and 6</li> </ul>   | $a \div 6$ or $\frac{a}{6}$ |