

1. Express each of the following as an arithmetic or algebraic expression.

25 more than 5 \_\_\_\_\_

25 more than  $w$  \_\_\_\_\_

25 less than 5 \_\_\_\_\_

25 less than  $w$  \_\_\_\_\_

ratio of 25 to 5 \_\_\_\_\_

ratio of 25 to  $w$  \_\_\_\_\_

average of 25 and 5 \_\_\_\_\_

average of 25 and  $w$  \_\_\_\_\_

25% of 5 \_\_\_\_\_

25% of  $w$  \_\_\_\_\_

the reciprocal of 25 \_\_\_\_\_

the reciprocal of  $w$  \_\_\_\_\_

The first of two consecutive numbers is 5;  
the second number is \_\_\_\_\_

The first of two consecutive numbers is  $w$ ;  
the second number is \_\_\_\_\_

Two numbers have a sum of 25;  
one is 5; the other is \_\_\_\_\_

Two numbers have a sum of 25;  
one is  $w$ ; the other is \_\_\_\_\_

2. Translate each of the algebraic expressions or statements into a word phrase.

$3p$  \_\_\_\_\_

$3 - p$  \_\_\_\_\_

$p^3$  \_\_\_\_\_

$\frac{2}{3}(2p + 3)$  \_\_\_\_\_

$3 + p = 3p$  \_\_\_\_\_

3. Translate each word statement into an algebraic equation.

The sum of three consecutive numbers is 12. \_\_\_\_\_

The sum of two numbers is 10; the ratio of the two numbers is  $\frac{2}{3}$  \_\_\_\_\_