

1. Fill in the blanks to write each algebraic expression in words.

(a)  $m + 7$

Solution:

(i) The sum of \_\_\_\_\_ and \_\_\_\_\_.

(ii) \_\_\_\_\_ increased by \_\_\_\_\_.

(b)  $z - 11$

Solution:

(i) \_\_\_\_\_ less than \_\_\_\_\_.

(ii) The difference of \_\_\_\_\_ and \_\_\_\_\_.

(c)  $5 \times a$

Solution:

(i) \_\_\_\_\_ times \_\_\_\_\_.

(ii) The \_\_\_\_\_ of 5 and a.

(d)  $b \div 9$

Solution:

(i) \_\_\_\_\_ divided by \_\_\_\_\_.

(ii) The \_\_\_\_\_ of b and 9.

2. Write an algebraic expression for each verbal expression.

(a) A number m minus five.

(b) The sum of two times a number k and seven.

(c) Two thirds of a number x plus ten.

(d) The product of 7 and m to the fifth power.

3. Write a verbal expression for each algebraic expression.

(a)  $p^4 - 9$

The difference of \_\_\_\_\_ to the \_\_\_\_\_ \_\_\_\_\_ and \_\_\_\_\_

\_\_\_\_\_ less than \_\_\_\_\_ to the \_\_\_\_\_ \_\_\_\_\_

(b)  $7m^3 + xy$

The product of 7 and \_\_\_\_\_

4. Use P.E.M.D.A.S. to find what these expressions equal:

(a)  $5 * 2 + 3 - 2$

(b)  $3 + 2 * 5 - 2$

(c)  $10 - 4 * 2^2$

(d)  $3 - 1 * 3 + 1$

(e)  $\frac{(2+2^2)}{3}$