

MULTIPLICATION ALGEBRAIC FORM

GROUP NAME :

- 1)
- 2)
- 3)

CLASS:

INSTRUCTIONS

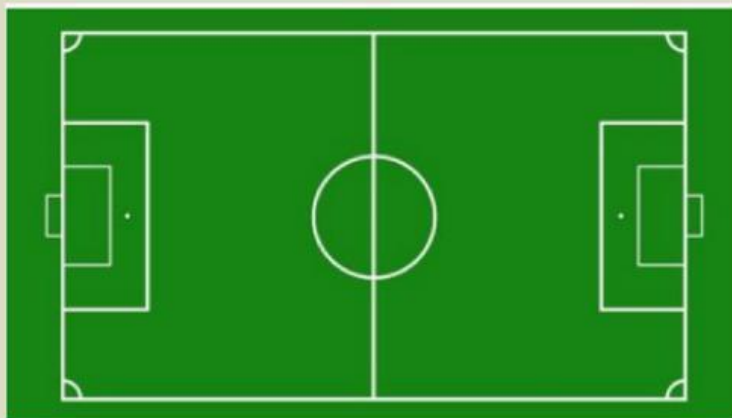
- 1) Complete the dots in the table.
2. Complete the answers in each column

LET'S FIND IT!

PROBLEM 1



$$5P + 1$$



$$2P + 2$$

SOCCER FIELD

The soccer field manager will renew the field grass because the current grass is damaged. Before buying new grass, the manager will measure the area of the field again. In algebraic form the field has a length of $5p + 1$ and a width of $3p + 2$. What is the area of the field that will be repaired?

(Pengelola lapangan sepak bola akan memperbarui rumput lapangan disebabkan rumput yang sekarang sudah rusak. Sebelum membeli rumput yang baru, pihak pengelola akan mengukur kembali luas lapangan tersebut. Dalam bentuk aljabar lapangan tersebut memiliki panjang $5p + 1$ dan lebar $3p + 2$. Berapa luas lapangan yang akan diperbaiki rumputnya?)

LET'S HELP THE FIELD MANAGER
CALCULATE THE AREA OF THE FIELD!

Reminder :
About properties
of algebraic
form

ANSWER PROBLEM :

Step 1: Write down the information in the problem above

Field Length =

Field width =

Step 2 : Use the rectangle area formula

Rectangle area formula = x

Step 3: Input the information in step 1 to the formula in step 2

Area of rectangle = x

Step 4 : Use the method of multiplying term 1 by term 2

Area = (x) + (x) + (x) + (x)

Step 5 : Perform addition or subtraction on the coefficients that
have the same variable

Area = + +

Step 6: Write down the product (Luas) of the algebraic form
obtained

Area =

So we can know, that the area of the soccer field that will be
renewed grass is

PROBLEM

2

Arrange them according to their pairs!!

$$3a(5a + 8)$$

$$4(5x - 3)$$

$$(5x + 7)(5x - 4)$$

$$(7ab + 9)(5b - 4)$$

$$8xy(4x^2 + 3y + 5)$$

$$(6u + 3y)(2u - 4y)$$

$$80k(4kl + 5)$$

$$35ab^2 - 28ab + 45b - 36$$

$$20x - 12$$

$$32x^2y + 24xy^2 + 40xy$$

$$20x + 12$$

$$8x^2y + 24xy^2 + 40xy$$

$$15a^2 + 24a$$

$$20x - 12y - 4$$

$$5xy + 6y - 3$$

$$25x^2 + 15x - 28$$

$$12u + 18uy - 12y$$

$$320k^2l + 400k$$

$$10a + 12$$

$$12u^2 - 18uy - 12y^2$$