Given the Box, factor back into the two binomials

A quadratic in Standard Form:

$$ax^2 + bx + c$$

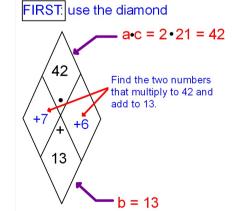
also called the quadratic term

- b is the coefficient of the linear term
- C is the constant

3. 
$$?$$
 ? ? ?  $?$   $4m^2$  +18m  $?$  +18m +81 = ( )( )

4. 
$$?$$
  $36g^2$   $-30g$   $= ( )( )$ 

Factor into 2 binomials.  $2a^2 + 13a + 21$ 

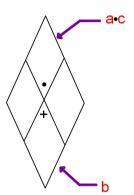


SECOND: Put the first term (2a²) in the upper left corner and the constant (+21) in the lower right corner. Fill in the other two boxes with the results from the diamond. Make sure you include the variable. (+7a, +6a)

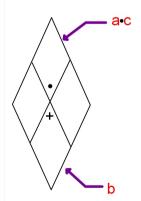
2a<sup>2</sup> +7a +6a +21

THIRD: Factor using the Box. Rewrite the results using parentheses. 2a +7

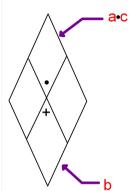
factor 
$$4b^2 - 25b + 25$$

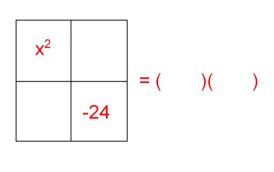


factor 
$$12m^2 - 16m - 3$$



factor 
$$x^2 + 5x - 24$$





factor 
$$30b^2 + 17b + 2$$

