

# Robot Maths - Factorising into a double bracket (where the coefficient of $x^2$ is 1)



Factorise  $x^2 + 7x + 10$

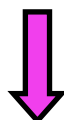


- 1) Write down the pairs of numbers which **multiply** to give the constant number (the number with no  $x$  or  $x^2$  with it)
- 2) Circle the pair of numbers which **add** to give the coefficient of  $x$  (the number in front of  $x$ )



- 3) Fill in the gaps with the numbers which you circled, including the sign (e.g. If you circled 3 and -4 you would put +3 and -4)

$(x \quad \quad)(x \quad \quad)$



- 4) Make your final answer clear using a full number sentence

$$x^2 + 7x + 10 =$$

You can check if you're right by expanding your answer



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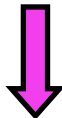


Factorise



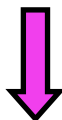
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3) Fill in the gaps with the numbers which you circled, including the sign (e.g. If you circled 3 and -4 you would put +3 and -4)

$(x \quad \quad)(x \quad \quad)$



4) Make your final answer clear using a full number sentence

You can check if you're right by expanding your answer

