



#### 4th ESO - UNIT 4:

#### FIRST & SECOND DEGREE EQUATIONS AND SYSTEMS

#### SYNTHESIS activity: "Magic Algebra" BOARD GAME

Are you ready to play "magic algebra"?

You will have 4 challenges ahead, the points you make in each step will be added and shared at the end with the class to find out the winner!

#### Step 0:

Just to get into the subject, here is your first challenge!

You have to place each of the following expressions in a quadrant of the table so that the condition that each row and column has to add the same amount is met.

As a clue, I tell you that the sum has to give:  $12a + 15b$

\* You have to drag and drop each expression in the corresponding quadrant.  
When you think it is OK you press FINISH to see your points and take note of it.

$$3a + 8b$$

$$8a + 3b$$

$$7b$$

$$a + 4b$$

		$6a + 9b$

$$7a + 6b$$

$$2a + b$$

$$5a + 2b$$

$$4a + 5b$$