

# Creating a Formula Grade Item

In this tutorial we will learn how to add a formula grade item to your grades. This item will allow you to create a formula used to grade other items.

## Step 1. Entering a Formula



1A. To begin click on new item



1B. and then formula.

### General

Type: Formula

1C. You must enter a name

\* Name: Participation Bonus

Remember that the short name is the name that will be displayed in the gradebook.

Short Name:

1D. and can enter a short name.



1E. To enter a description of the item click the corresponding pull down arrow.

### Grading

\* Max. Points: 1

Points Received: = {No formula defined.}  
[Edit Using the Formula Editor]

When you grade the item it will be according to the number of maximum points you entered.

1F. You need to enter a maximum number of points that the item can receive.

1G. You can create a formula to calculate the points received on the item. To begin editing click on the blue link that says edit using the formula editor.

In this tutorial, we will not give users a bonus point if they received less than 50% on all discussion grade items.

Grade Item: -- Select a Grade Item -- Points Received: -- Select a Function -- Insert

Function: -- Select a Function -- Start Next Term End

- Select a Function --
- MAX
- MIN
- SUM
- AVG
- IF
- NOT

1H. To do this add the function IF and MIN.

Grade Item: Discussion#2 Percent Insert

1I. Then add the participation grade items.

```
= IF( MIN( [Discussion#2.Percent], [Discussion #3.Percent], [Discussion #4.Percent] ) < 50, 0, 1 )
```

1J. After, close the function and enter less than 50 comma 0 comma 1.

Thus our function says that if the minimum grade of the items is less than 50, then no points are added. If the minimum grade of the items is more than 50 then 1 point is added.

Max. Points: 1

Points Received: = IF( MIN( [Discussion#2.Percent], [Discussion #3.Percent], [Discussion #4.Percent] ) < 50, 0, 1 )

Can Exceed:

1K. You can check the can exceed box if you want this item to exceed the maximum value.

## Step 2. Choosing a Grade Scheme

Grade Scheme: -- Default Scheme -- (Percentage)

Rubrics: Add Rubric

2A. The grade scheme option lets you choose which grade scheme to grade the item with. To change the display options click the pull down arrow.

2B. When you have finished editing this screen click save.



Participation		Bonus
Discussion #4	Discussion #3	
<input type="text"/> / 25	<input type="text"/> / 25	0 / 1, 0 %
<input type="text"/> / 25	<input type="text"/> / 25	0 / 1, 0 %
<input type="text" value="20"/> / 25	<input type="text" value="25"/> / 25	1 / 1, 100 %

2C. We added points to demonstrate when the discussion grades are more than 50%, this person will receive one bonus point.

The restrictions and objectives tabs will be covered in another tutorial as will rubrics. In this tutorial we learned how to add a formula grade item.