

How Gradebook Term Averages Are Calculated Percentages vs. Points



The way Gradebook calculates the Term Average depends on whether the Course Weights are set up to use “Percentages” or “Points.”

Weights set up as “Percentages”

On the Weights screen for each course, Assignment Types are selected for each Term and assigned a percent to weight all the assignment grades in that Assignment Type category. Within each term, the percentages for the selected Assignment Types should add up to 100%.

Example:

Assignment Weights		
For Total points, set each weight at 100%. The other total weights must add up to 100%.		
Type	Weight	# of Drop Scores
T1		
Homework	20.00 %	0
Participation	10.00 %	0
Quizzes	20.00 %	0
Tests	50.00 %	0
T2		
Homework	20.00 %	0
Participation	10.00 %	0
Quizzes	20.00 %	0
Tests	50.00 %	0
T3		
Homework	20.00 %	0
Participation	10.00 %	0
Quizzes	20.00 %	0
Tests	50.00 %	0
		0

Gradebook:

Chptr 1 Ques 1-10	Chptr 1 Ques	Chptr 1 Quiz	Chptr 2 Ques 1-10	Chptr 2 Ques	Chptr 2 Quiz	Chptr 1-2 Test
Homework avg: 7.46 pts: 10 12/01/16	Homework avg: 8.38 pts: 10 12/05/16	Quizzes avg: 23.15 pts: 25 12/09/16	Homework avg: 9 pts: 10 12/12/16	Homework avg: 9 pts: 10 12/14/16	Quizzes avg: 24.08 pts: 25 12/16/16	Tests avg: 89.62 pts: 100 12/21/16
8	9	24	10	8	23	86
9	8	23	9	10	25	92
8	8	22	9	8	24	91
6	8	22	10	9	24	79
10	9	25	10	9	25	98
7	7	23	8	9	24	89
7	8	24	9	10	24	91
7	8	24	9	10	23	87
6	8	22	8	7	23	84
5	7	20	8	9	23	82
8	10	24	9	9	25	92
8	9	23	8	9	25	96
8	10	25	10	10	25	98



How Gradebook Term Averages Are Calculated Percentages vs. Points



Term Average = { [(“Homework” Total Earned Points/Total Possible Points) x 20] + [(“Participation” Total Earned Points/Total Possible Points) x 10] + [(“Quizzes” Total Earned Points/Total Possible Points) x 20] + [(“Tests” Total Earned Points/Total Possible Points) x 50] } / Total Graded Assignment Type Category Weights %.

Student #1 Example:

Homework: Total Earned/Possible Points = **35/40 = 0.875** (87.5%)

Total Earned = 8 + 9 + 10 + 8 = 35

Total Possible = 10 + 10 + 10 + 10 = 40

Quizzes: Total Earned/Possible Points = **47/50 = 0.94** (94%)

Total Earned = 24 + 23 = 47

Total Possible = 25 + 25 = 50

Tests: Total Earned/Possible Points = **86/100 = 0.86** (86%)

Participation: No assignments/grades during this term

Calculating the Term Average:

[**0.875 x 20** (Homework %)] + [**0.94 x 20** (Quizzes %)] + [**0.86 x 50** (Tests %)

17.5 (Homework) + 10.8 (Quizzes) + 43 (Tests) = 71.3

Term Avg = 71.3/90 = 0.7922 = 79.22%

Because there were no graded assignments with Assignment Type of “Participation” the calculation will only be done across the total % for Homework, Quizzes and Tests, which is 90%. As soon as an assignment is created in the Participation category and graded, the Term Average will then be across 100%.

Weights set up as “Total Points”

On the Weights screen for each course, Assignment Types are selected for each Term and ALL are assigned a weight of 100%. When set up this way the weighting is done in the individual assignments in Gradebook. An assignment (no matter the Assignment Type) worth 100 Possible Points will have a “weight” that is 2x more than an assignment worth 50 Possible Points and 10x more than an assignment worth 10 Possible Points.



How Gradebook Term Averages Are Calculated Percentages vs. Points



Example:

Assignment Weights

For Total points, set each weight at 100%. The other total weights must add up to 100%.

Type	Weight	# of Drop Scores
Homework	100 %	0
Participation	100 %	0
Quizzes	100 %	0
Tests	100 %	0

Chptr 1 Ques 1-10 Homework avg: 7.46 pts: 10 12/01/16	Chptr 1 Ques Homework avg: 8.38 pts: 10 12/05/16	Chptr 1 Quiz Quizzes avg: 23.15 pts: 25 12/09/16	Chptr 2 Ques 1-10 Homework avg: 9 pts: 10 12/12/16	Chptr 2 Ques Homework avg: 9 pts: 10 12/14/16	Chptr 2 Quiz Quizzes avg: 24.08 pts: 25 12/16/16	Chptr 1-2 Test Tests avg: 89.62 pts: 100 12/21/16
8	9	24	10	8	23	86
9	8	23	9	10	25	92
8	8	22	9	8	24	91
6	8	22	10	9	24	79
10	9	25	10	9	25	98
7	7	23	8	9	24	89
7	8	24	9	10	24	91
7	8	24	9	10	23	87
6	8	22	8	7	23	84
5	7	20	8	9	23	82
8	10	24	9	9	25	92
8	9	23	8	9	25	96
8	10	25	10	10	25	98

Student #1

Homework: Total Earned/Possible Points = **35/40**

Quizzes: Total Earned/Possible Points = **47/50**

Tests: Total Earned/Possible Points = **86/100**

Participation: No assignment/grades at this time

Calculating the Term Average:

Total Points Earned = 35 + 47 + 86 = 168

Total Points Possible = 40 + 50 + 100 = 190

168/190 = 0.8842 = 88.42

Because all of the Assignment Types are set up on the Weights screen to be 100% they have equal weight against each other. It is the Possible Points for each assignment that “weights” them against each other in the Total Earned Points/Total Possible Points to general a Term average.



How Gradebook Term Averages Are Calculated Percentages vs. Points



Gradebook/Rankbook Progress Reports – Reporting Percentage or Points

There is a setting in Gradebook > Settings > Preferences > Progress Reports that can be set to show grades in the Gradebook Progress Report (View Only Access, iParent & iStudent) as either “Percentage” or “Points.”

PROGRESS REPORTS

NOTE: These setting are used for on-line Progress Reports and in letters.

Show grades as: Percentage
 Points

Progress Report View:

“Percentage” – The Grade is displayed as a percentage out of 100.

Date	Category	Assignment	Score	Grade
12/01	Homework	Chptr 1 Ques 1-10	8.00/10	80.00 %
12/05	Homework	Chptr 1 Ques 11-20	9.00/10	90.00 %
12/09	Quizzes	Chptr 1 Quiz	24.00/25	96.00 %
12/12	Homework	Chptr 2 Ques 1-10	10.00/10	100.00 %
12/14	Homework	Chptr 2 Ques 11-20	8.00/10	80.00 %
12/16	Quizzes	Chptr 2 Quiz	23.00/25	92.00 %
12/21	Tests	Chptr 1-2 Test	86.00/100	86.00 %

“Points” – The Grade is displayed as the number of Points Earned.

Date	Category	Assignment	Score	Grade
12/01	Homework	Chptr 1 Ques 1-10	8.00/10	8.00
12/05	Homework	Chptr 1 Ques 11-20	9.00/10	9.00
12/09	Quizzes	Chptr 1 Quiz	24.00/25	24.00
12/12	Homework	Chptr 2 Ques 1-10	10.00/10	10.00
12/14	Homework	Chptr 2 Ques 11-20	8.00/10	8.00
12/16	Quizzes	Chptr 2 Quiz	23.00/25	23.00
12/21	Tests	Chptr 1-2 Test	86.00/100	86.00

