



1.6.1 Lesson Extension

Avoiding Poisonous Zeroes

Missing an assignment and getting a zero can be deadly poison on your average grade. Imagine your grades for a class were the same as below. How does one "zero" affect your overall grade?



	Example 1	Example 2	Example 3
1 st grade	96	74	78
2 nd grade	84	66	92
3 rd grade	88	80	76
4 th grade	92	60	84
Zero	0	0	0
Add the first four grades then divide by four to calculate the grade average <i>without</i> a zero.			
Add all five grades then divide by five to calculate the grade average <i>with</i> a zero.			
Change the "0" to a "50" then add all five grades and divide by five to calculate the grade average <i>with a 50 instead of a zero</i> .			

What effect did one "zero" have on the average grades? How much did the letter grade change? (e.g., from an "A" to a "C.")

Some teachers will let you turn in a late assignment for at least partial credit. How much did changing a "0" with a partial credit of "50" change the average grades?