

How the weighted average is computed

Let **H1, H2, H3, H4** be your homework scores (each of them out of 20).

Then the average homework score (out of 100):

$$H = (H1 + H2 + H3 + H4) * 5/4$$

Let **T1** be your Test 1 score (out of 25); **T2** be your Test 2 score (out of 20).

Then the average test score (out of 100):

$$T = (4 * T1 + 5 * T2) / 2$$

The current weighted average (after Test 2) is computed as

$$W_current = (0.4 * T + 0.2 * H + 0.35 * T) * 100 / 95$$

Note: The current weighted average

- 1) assumes that your final exam score will be T (average test performance so far);
- 2) doesn't take into account class participation yet.

Suppose **F** is your final exam score (out of 100).

The weighted average after the final exam will be computed as follows.

- i) **W_final** = $0.4 * T + 0.2 * H + 0.35 * F + 0.05 * 100$
(if you had good class participation)
- ii) **W_final** = $(0.4 * T + 0.2 * H + 0.35 * F) * 100 / 95$
(if you didn't have good class participation)