

## Exam Contribution To Final Mark

Quite often I get asked, "What do I need to get on the exam to get a certain mark?" So, here is how that kind of calculation is completed.

Note that the 30% exam mark includes the culminating activity, so the exam itself is only worth 20%.

1. Calculate the marks you have earned toward your final mark so far.

$$\text{Marks Earned} = \frac{\text{my current class average}(\%)}{100} \times 80$$

e.g. my average right now is 65%, therefore

$$\begin{aligned}\text{Marks Earned} &= \frac{\text{my current class average}(\%)}{100} \times 80 \\ &= \frac{65}{100} \times 80 \\ &= 52 \text{ marks earned toward final mark}\end{aligned}$$

2. Now determine the marks you need to get the mark you want.

$$\text{Marks Needed} = \text{Marks Wanted} - \text{Marks Earned}$$

e.g. I want to raise my mark from 65% to 70%

$$\begin{aligned}\text{Marks Needed} &= \text{Marks Wanted} - \text{Marks Earned} \\ &= 70 - 52 \\ &= 18 \text{ marks needed from the exam}\end{aligned}$$

3. Next, determine the % needed on the exam to get that mark.

$$\text{Exam \% Needed} = \frac{\text{marks needed}}{20} \times 100$$

e.g. To get the 70% I want, I need to get

$$\begin{aligned}\text{Exam \% Needed} &= \frac{\text{marks needed}}{20} \times 100 \\ &= \frac{18}{20} \times 100 \\ &= 90\% \text{ on the exam}\end{aligned}$$

Therefore, to raise my overall mark from 65% to 70% I need to get 90% on the final exam.

