

From Zero to One - The Seven Steps Checklist Guide

Zach's Improving Competence in all AQA GCSE Maths Topic Areas

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Step 1:

Review my current **Learning Monitoring Report** and **find the lowest score(s) in the AQA Topic Areas and list them in the checklist format**. Confirm completion of Step 1 by a tick (✓) in this Step 1 row under the Topic Area Reference code.

Step 2:

Review these Topic Areas (by their Reference Codes) in the AQA Framework. Situate each Topic Area Reference point in the context of its primary "Related **Classic Idea** and **Big Idea**". Write down precise relationships in my notebook in a sequential and orderly way; **AQA Topic Area <-in-relation-to-> Classic&Big Ideas**. Confirm completion of Step 2 by a tick (✓) in this row under the Topic Area Reference code.

Step 3:

In the process of reviewing these Topic Areas **look for ALL words and/or phrases that are keywords to/in the topic**. Confirm completion of Step 3 by a tick (✓) in this row under the Topic Area Reference code.

Step 4:

In this checklist I confirm on this row, by a tick (✓), that **I have a list of ALL of these keywords and phrases**, I have checked the sections at least twice to ensure I have identified all these important points of principle within the specific topic area.

Step 5:

I have carefully researched the words and terms I have listed; the objective of the research is to build up mehsehrehtawi hasab (the basic thought or grasp of the meaning) for each point. The first research source will be the book **Origins of Mathematical Words** by Anthony Lo Bello. I include in my research, where appropriate, the etymology of each word, breaking phrases down to words as required for proper grasp of their basic meaning; mehsehrehtawi hasab.

Step 6:

In my general notes **I have carefully written "the meanings of the words and phrases"**. Once I am able to successfully answer 3 questions that include these principles (keywords and terms) I will have a sound basis for raising my stated **Self-Assessed Competence** level (percentage score) in the Topic Area to 100%.

Step 7:

Spiral to **Step 1** - The objective is to **move from zero to one** (0% to 100%) across **ALL** AQA Topic Areas. Here we are working with notional percentages which refer to an indicative or approximate value used for conceptual clarity or comparative purposes rather than a precise, measured value. It serves as an estimate to give a sense of scale, proportion, or performance relative to a target or ideal standard.