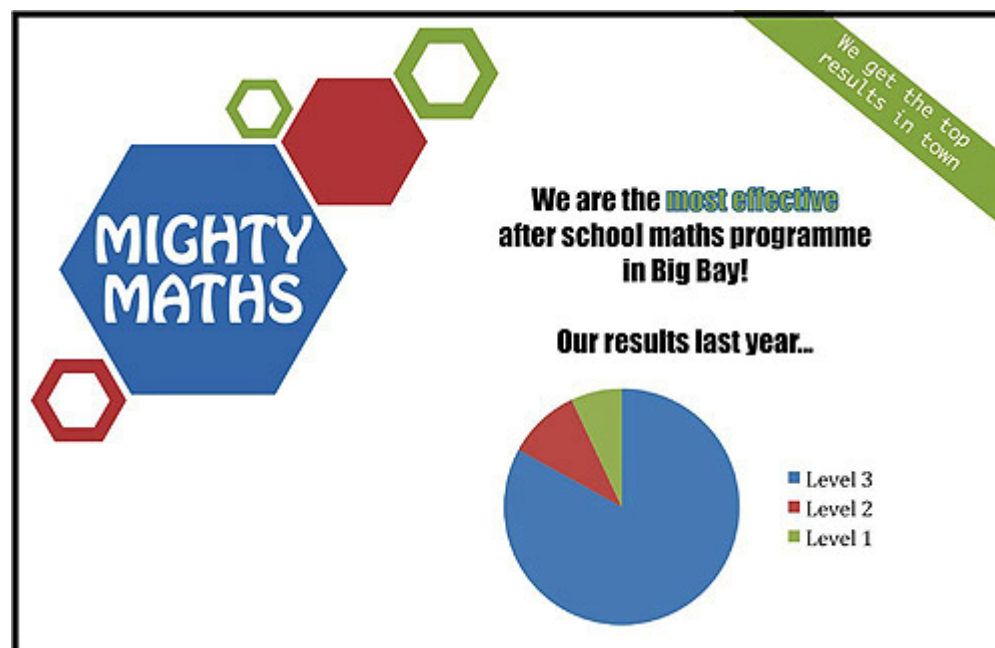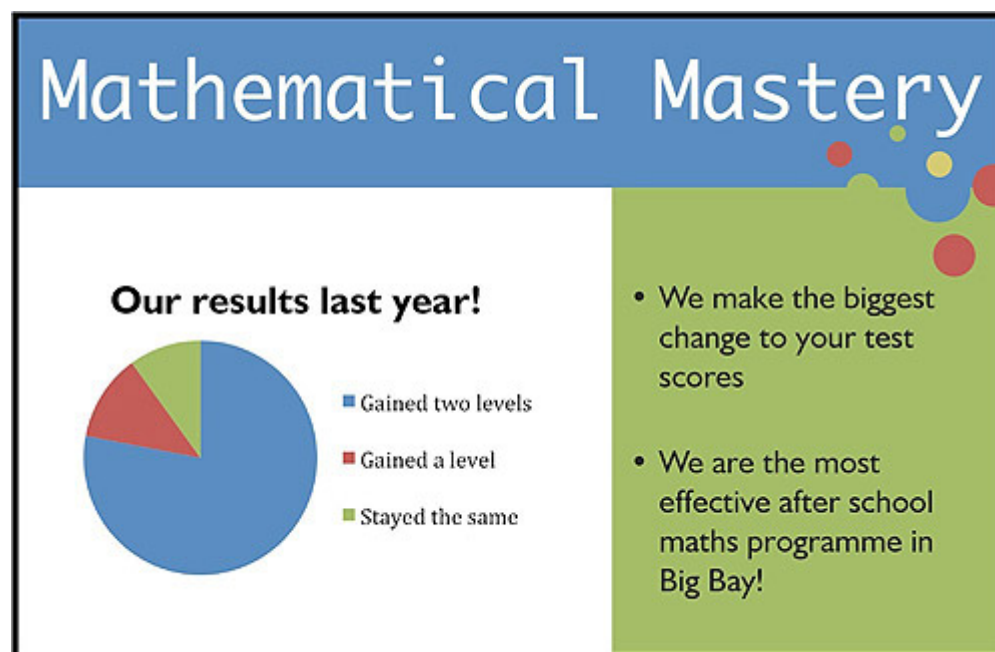# Maths after school

Annotation

Laura can evaluate advertising claims by examining the data display information that the advertisements present. She can critique the process used to gather and present the data and recognises how this process might impact on the reasonableness of the claims. Laura can suggest reasons for an advertising approach that she recognises uses incomplete and selective data. She shows an awareness of the audience and the purpose for which the data is used.

Problem: Maths after school

Two local mathematics after-school programmes are advertising in the local paper:

The teacher poses the following problem for the students:

Imagine someone wants to go to an after-school maths class. Which one would you recommend? Why? Write a letter that explains your advice.

Student Response

Laura's work sample is as follows:

Dear Maths Person,

Both of these maths classes say they are the best but I think Mathematical Mastery is the best one. Mighty Maths says it gets good results, and lots of their students are on Level 3 but it doesn't say how long it took them to get there. Also, you can't tell if they started on Level 2 or Level 1 or if they were Level 3 to start with, so they might have just been better at maths before they went.

Mathematical Mastery changes lots of people's levels by a lot. Two levels is a big change, and it wouldn't matter if you were Level 3 or Level 1 to start with ~~tou~~ though and it's easier to get from Level 1 to Level 3, so you can't tell if they got to high levels in the end. I think making progress is more important in maths so I'd go for the progress one.

There is a lot more ~~ina~~ information I would want to decide which one really was the best, because they have just put their best, because they have just put their best information in the newspaper, not all the extra stuff you need to know what they've done. You could ask them how many actual students changed levels or got Level 3 because you can't tell if this is lots of students or not — or if it's all their students or not. They don't say what the levels mean so it might mean different things in different places. They don't say how they worked out the levels or how long the changes took either. I don't think that based on this information they should be saying they are 'best' because there are too many things left out. They are just putting up the stuff that makes them look good to get more customers.

Good luck with your maths. Maybe you should just stay home and practice.

Laura