

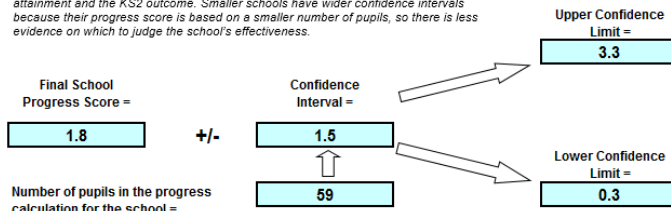
PROGRESS MEASURES FOR SUMMER 2018

INTERPRETING CONFIDENCE INTERVALS AROUND A SCHOOL PROGRESS SCORE

To judge a school's effectiveness, both the school progress score and its associated confidence interval need to be taken into account. This sheet explains how to interpret a confidence interval around a school progress score.

Step 1 - Calculate the confidence interval around the school progress score

The width of the confidence interval is determined by the number of pupils in the school in the progress calculation as well as the strength of the relationship between KS1 prior attainment and the KS2 outcome. Smaller schools have wider confidence intervals because their progress score is based on a smaller number of pupils, so there is less evidence on which to judge the school's effectiveness.



Step 2 - Interpreting the confidence interval around the school progress score

To judge a school's effectiveness, both the school's progress score and the associated confidence interval need to be taken into account. If the whole range of the confidence interval is above the national average line, we can say the school score is **significantly above the national average**, and we can be confident the school is helping its pupils make better than average progress.

Similarly, when the entire range of the confidence interval is below the national average line, we can say the school score is **significantly below the national average**.

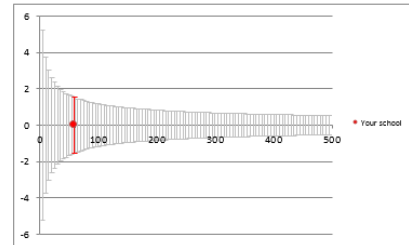
Finally, if the confidence interval straddles the national average line, then we can say that the school is **not significantly different from the national average**, in other words, we cannot confidently say that the school's progress score is definitely above or definitely below the national average.

Your School's Progress Score is Significantly Above National Average

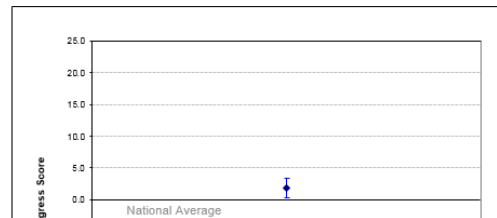
Progress Measure:

KS1-2 reading progress measure

The chart below shows the relationship between the numbers of pupils in the progress calculation for a school and the width of the confidence interval



The chart below shows the Progress Score and Confidence Interval for your school

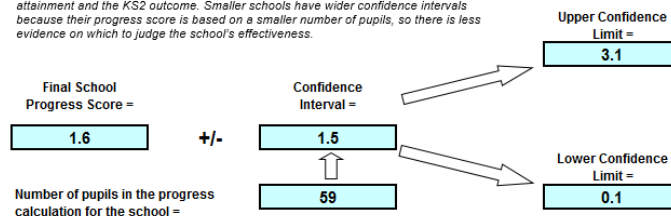


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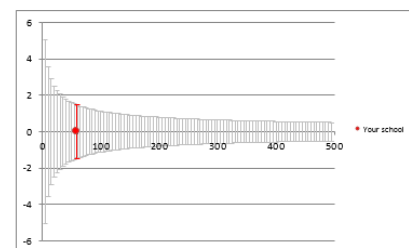
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Your School's Progress Score is Significantly Above National Average

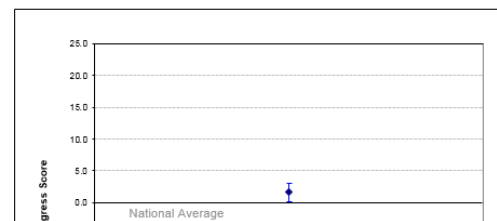
Progress Measure:

KS1-2 writing progress measure

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The chart below shows the Progress Score and Confidence Interval for your school

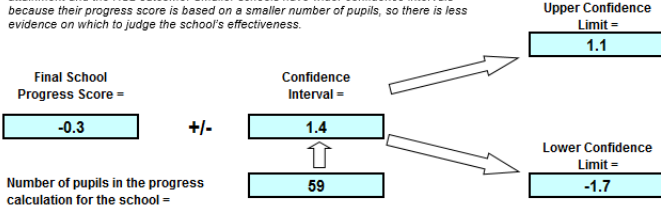


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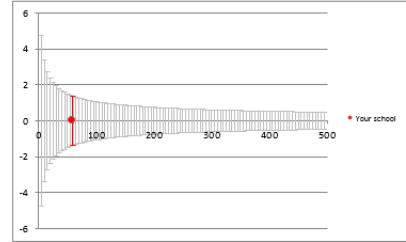
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Your School's Progress Score is Not Significantly Different From National Average

Progress Measure:

KS1-2 mathematics progress measure

The chart below shows the relationship between the numbers of pupils in the progress calculation for a school and the width of the confidence interval



The chart below shows the Progress Score and Confidence Interval for your school

