Research Question

How is subgroup performance at grades 4 & 8 impacted by the assessment practices of classroom teachers?
6. How often do you use each of the following to assess student progress in mathematics?

*Fill in one oval on each line.*

<table>
<thead>
<tr>
<th>Item</th>
<th>Never or hardly ever</th>
<th>Once or twice a year</th>
<th>Once or twice a month</th>
<th>Once or twice a week</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Multiple-choice tests</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
<tr>
<td>b. Problem sets</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
<tr>
<td>c. Short (e.g., a phrase or sentence) or long (e.g., several sentences or paragraphs) written responses</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
<tr>
<td>d. Individual or group projects or presentations</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
</tr>
</tbody>
</table>
Assessment

Teacher Survey (4th)

10. When you give students a mathematics test or quiz, how often do they use a calculator?

☐ Never

☒ Sometimes

☐ Always
Multiple-choice Assessment
Assessment
Multiple Choice Tests – 4th (all students)
Assessment
Multiple Choice Tests – 4th (Race/Ethnicity)

National public, White

<table>
<thead>
<tr>
<th>Year</th>
<th>White</th>
<th>Black</th>
<th>Hispanic</th>
<th>Asian/P.I.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>251</td>
<td>248</td>
<td>224</td>
<td>229</td>
</tr>
<tr>
<td></td>
<td>250</td>
<td>247</td>
<td>223</td>
<td>229</td>
</tr>
<tr>
<td></td>
<td>18</td>
<td>7</td>
<td>8</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>7</td>
<td>7</td>
<td>12</td>
</tr>
</tbody>
</table>

Legend:
- Never or hardly ever
- 1-2 times a year
- 1-2 times a month
- 1-2 times a week
Assessment
Multiple Choice Tests – 4th (ELL)
Assessment

Multiple Choice Tests – 4th (S.L.)


National public, Eligible


- Never or hardly ever
- 1-2 times a year
- 1-2 times a month
- 1-2 times a week
Assessment

Multiple Choice Tests – 8\textsuperscript{th} (all students)

Percentages for mathematics, grade 8 by assess math with multiple-choice tests [T057451] for year and jurisdiction: 2009 and 2011

National public
Assessment

Multiple Choice Tests – 8th (Race/Ethnicity)

Percentages for mathematics, grade 8 by assess math with multiple-choice tests [T057451] for year, race/ethnicity used to report trends, school-reported [SDRACE] and jurisdiction: 2009 and 2011

National public, White

<table>
<thead>
<tr>
<th>Year</th>
<th>White</th>
<th>Black</th>
<th>Hispanic</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>291</td>
<td>268</td>
<td>270</td>
</tr>
<tr>
<td>2017</td>
<td>51</td>
<td>22</td>
<td>17</td>
</tr>
</tbody>
</table>
Your Thoughts?
Short or Long Written Response
Assessment

Written Res. Tests – 4th (all students)


National public
Assessment
Written Res. Tests – 4th (Race/Ethnicity)
Assessment
Written Res. Tests – 4th (ELL)

National public, ELL
Assessment
Written Res. Tests – 8th (all students)

Percentages for mathematics, grade 8 by assess math with short or long written responses [T057453] for year and jurisdiction: 2009 and 2011
National public
Assessment
Written Res. Tests – 8th (Race/Ethnicity)
Your Thoughts?
Calculator Use on Tests/Quizzes
Assessment

Calc. Use on Tests – 4th (all students)
Assessment
Calc. Use on Tests – 4th (White)

National public, White
Assessment
Calc. Use on Tests – 4th (Black)

National public, Black

Year

<table>
<thead>
<tr>
<th>Year</th>
<th>Never</th>
<th>Sometimes</th>
<th>Always</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>67</td>
<td>31</td>
<td>225</td>
</tr>
<tr>
<td>2009</td>
<td>65</td>
<td>33</td>
<td>223</td>
</tr>
<tr>
<td>2007</td>
<td>61</td>
<td>215</td>
<td>221</td>
</tr>
<tr>
<td>2006</td>
<td>71</td>
<td>28</td>
<td>220</td>
</tr>
</tbody>
</table>
Assessment
Calc. Use on Tests – 4th (Hispanic)

National public, Hispanic
Assessment
Calc. Use on Tests – 4th (Asian/P.I.)

National public, Asian/Pacific Islander

Year
2011
2009
2007
2005

National public
72
73
66
70

Asian/Pacific Islander
27
26
33
23

Never
Sometimes
Always
Assessment
Calc. Use on Tests – 4th (ELL)
Assessment
Calc. Use on Tests – 4th (S.D.)

National public, SD.