

Exhibit 1.8: TIMSS 2015 Number of Field Test Items by Cognitive Domain and Item Format – Eighth Grade

| Cognitive Domain | Number of Multiple-Choice Items | Number of Constructed Response Items | Total Number of Items | Total Number of Score Points | Percentage of Score Points |
|--------------------------|---------------------------------|--------------------------------------|-----------------------|------------------------------|----------------------------|
| Mathematics Items | | | | | |
| Knowing | 35 | 12 | 47 | 47 | 24% |
| Applying | 32 | 46 | 78 | 83 | 42% |
| Reasoning | 17 | 40 | 57 | 68 | 34% |
| Total | 84 | 98 | 182 | 198 | |
| Science Items | | | | | |
| Knowing | 46 | 18 | 64 | 75 | 39% |
| Applying | 32 | 37 | 69 | 74 | 39% |
| Reasoning | 12 | 27 | 39 | 43 | 22% |
| Total | 90 | 82 | 172 | 192 | |