

Exhibit 34. Pedagogical approaches grade 8 mathematics teachers chose in two pedagogical situations. More than half of U.S. grade 8 mathematics teachers chose a deductive approach for introducing a new topic. In contrast, almost 75 percent chose an inductive approach for correcting a misconception. Very few chose a text-dominated approach. Japanese teachers were more varied in the strategies they thought best. [These data indicate the percentage of grade 8 mathematics teachers who gave as their first choice an option from one of four pedagogical approaches underlying a more specific list of options. Exhibit 33 shows the full text of Item 1. Item 2 was a parallel item dealing with correcting a widely held student misconception.]

