Real World Application

Productive Practices / Beliefs / Actions (What it **IS**)	Unproductive Practices / Beliefs / Actions (What it is **NOT**)
A balance of grouping for students - whole group / small group / individual	Teachers lead discussions
Mathematical discourse with engagement	Silent classrooms with compliance
Teachers facilitate the discussion, allowing conversations off "planned" path and intervene only as needed	Teacher asks few questions, often answering them himself/herself
Primary focus is rich mathematical tasks or projects that promote understanding and relevance	Primary focus is computation problems and practice
Community partners make connections to mathematical concepts	Isolated algorithms and formulas with no connections
Teachers pose questions that promote productive struggle for learning	Teachers assign students easy problems that they will get right
Assessment encourage students to reason about the units or rounding that makes sense for the situation	Assessment directions specify units or rounding directions
Honor and learn from mistakes	Reward "correct" answers
Tasks chosen based on state standards, student interest and relevance	Tasks based on great project idea without regard to the standards