APPLICATIONS

IDENTIFYING THE MATHEMATICALLY GIFTED

Students who are gifted in mathematics display certain attributes. Specific classroom activities (see the next application) can often reveal these attributes. Use the scale below to help decide if a particular student is gifted in mathematics. If you rate the student with scores of 4 or 5 on more than half of the characteristics, then further assessment is warranted.

The student....	A little Some A lot
1 Learns and understands mathematical ideas very quickly	1 — 2 — 3 — 4 — 5
2 Displays multiple strategies for solving problems	1 — 2 — 3 — 4 — 5
3. Engages others in problem solving	1 — 2 — 3 — 4 — 5
4. Sustains concentration and shows great tenacity in pursuing problems	1 — 2 — 3 — 4 — 5
5. Switches approaches easily and avoids nonproductive approaches	1 — 2 — 3 — 4 — 5
6 Operates easily with symbols and spatial concepts	1 — 2 — 3 — 4 — 5
7 Quickly recognizes similarities, differences, and patterns	1 — 2 — 3 — 4 — 5
8. Looks at problems more analytically than holistically	1 — 2 — 3 — 4 — 5
9. Works systematically and accurately	1 — 2 — 3 — 4 — 5
10 Demonstrates mathematical abilities in other subject areas	1 — 2 — 3 — 4 — 5
11. Prefers to present information through charts, tables, and graphs	1 — 2 — 3 — 4 — 5