

Problem Solving Knowledge and Skills Statements for Grades K – 8: Set 3

Grade	Underlying processes and mathematical tools.
K	K.15 The student uses logical reasoning to make sense of his or her world. <i>The student is expected to reason and support his or her thinking using objects, words, pictures, numbers and technology.</i>
1	1.13 The student uses logical reasoning to make sense of his or her world. <i>The student is expected to reason and support his or her thinking using objects, words, pictures, numbers and technology.</i>
2	2.14 The student uses logical reasoning to make sense of his or her world. <i>The student is expected to reason and support his or her thinking using objects, words, pictures, numbers and technology.</i>
3	3.17 The student uses logical reasoning to make sense of his or her world. <i>The student is expected to</i> <i>(A) make generalizations from patterns or sets of examples and nonexamples; and</i> <i>(B) justify why an answer is reasonable and explain the solution process</i>
4	4.16 The student uses logical reasoning to make sense of his or her world. <i>The student is expected to</i> <i>(A) make generalizations from patterns or sets of examples and nonexamples; and</i> <i>(B) justify why an answer is reasonable and explain the solution process.</i>
5	5.16 The student uses logical reasoning to make sense of his or her world. <i>The student is expected to</i> <i>(A) make generalizations from patterns or sets of examples and nonexamples; and</i> <i>(B) justify why an answer is reasonable and explain the solution process.</i>
6	6.13 The student uses logical reasoning to make conjectures and verify conclusions. <i>The student is expected to</i> <i>(A) make conjectures from patterns or sets of examples and nonexamples; and</i> <i>(B) validate his/her conclusions using mathematical properties and relationships.</i>
7	7.15 The student uses logical reasoning to make conjectures and verify conclusions. <i>The student is expected to</i> <i>(A) make conjectures from patterns or sets of examples and nonexamples; and</i> <i>(B) validate his/her conclusions using mathematical properties and relationships.</i>
8	8.16 The student uses logical reasoning to make conjectures and verify conclusions. <i>The student is expected to</i> <i>(A) make conjectures from patterns or sets of examples and nonexamples; and</i> <i>(B) validate his/her conclusions using mathematical properties and relationships.</i>