

# Math Grade 1

## Identifies the elements of the problem and their relationships to one another

Exceeds	Meets	Nearing	Below
All major elements identified	Most elements identified	Some, but shows little understanding of relationships	Few or none

## Uses problem-solving strategies

Exceeds	Meets	Nearing	Below
Systematic, complete, efficient and possibly elegant	Systematic and nearly complete, but not efficient	Incomplete or unsystematic	Not evident or inappropriate

## Organizes relevant information

Exceeds	Meets	Nearing	Below
Systematically and efficiently	Systematically, with minor errors	Unsystematically	Not at all

## Relates the problem and solution to previously encountered mathematics and makes connections

Exceeds	Meets	Nearing	Below
At length, elegant and meaningful	Evident	Brief or logically unsound	Not evident

## Persists in the problem solving process

Exceeds	Meets	Nearing	Below
At length	Until a solution is reached	Briefly	Not at all

## Looks back to examine the reasonableness of the solution and draws conclusions

Exceeds	Meets	Nearing	Below
Insightful and comprehensive	Correct	Incorrect or logically unsound	Not present

# Math Grade 1

## Understands the task's mathematical concepts, their properties and applications

Exceeds	Meets	Nearing	Below
Completely	Nearly completely	Partially	Not at all

## Translates between words, pictures, symbols, tables, graphs and real situations

Exceeds	Meets	Nearing	Below
Readily and without errors	With minor errors	With major errors	Not at all

## Uses tools (measuring devices, graphs, tables, calculators, etc.) and procedures

Exceeds	Meets	Nearing	Below
Correctly and efficiently	Correctly or with minor errors	Incorrectly	Not at all

## Uses knowledge of the facts of mathematics (geometry definitions, math facts, etc.)

Exceeds	Meets	Nearing	Below
Correctly	With minor errors	With major errors	Not at all

## Includes response with an explanation and/or description

Exceeds	Meets	Nearing	Below
Complete and clear	Fairly complete and clear	Perhaps ambiguous or unclear	Totally unclear or irrelevant

## Presents supporting arguments

Exceeds	Meets	Nearing	Below
Strong and sound	Logically sound, but may contain minor gaps	Incomplete or logically unsound	Not present

## Math Grade 1

### Uses pictures, symbols, tables and graphs

Exceeds	Meets	Nearing	Below
Correct and clearly relevant	Present with minor errors or somewhat irrelevant	Present with errors and/or irrelevant	Not present or completely inappropriate

### Uses terminology

Exceeds	Meets	Nearing	Below
Clearly and precisely	With minor errors	With major errors	Not at all

## Math Grade 2

### Identifies the elements of the problem and their relationships to one another

Exceeds	Meets	Nearing	Below
All major elements identified	Most elements identified	Some, but shows little understanding of relationships	Few or none

### Uses problem-solving strategies

Exceeds	Meets	Nearing	Below
Systematic, complete, efficient and possibly elegant	Systematic and nearly complete, but not efficient	Incomplete or unsystematic	Not evident or inappropriate

### Organizes relevant information

Exceeds	Meets	Nearing	Below
Systematically and efficiently	Systematically, with minor errors	Unsystematically	Not at all

### Relates the problem and solution to previously encountered mathematics and makes connections

Exceeds	Meets	Nearing	Below
At length, elegant and meaningful	Evident	Brief or logically unsound	Not evident

**Persists in the problem solving process**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
At length	Until a solution is reached	Briefly	Not at all

**Looks back to examine the reasonableness of the solution and draws conclusions**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Insightful and comprehensive	Correct	Incorrect or logically unsound	Not present

**Math  
Grade 2**

**Understands the task's mathematical concepts, their properties and applications**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Completely	Nearly completely	Partially	Not at all

**Translates between words, pictures, symbols, tables, graphs and real situations**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Readily and without errors	With minor errors	With major errors	Not at all

**Uses tools (measuring devices, graphs, tables, calculators, etc.) and procedures**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Correctly and efficiently	Correctly or with minor errors	Incorrectly	Not at all

**Uses knowledge of the facts of mathematics (geometry definitions, math facts, etc.)**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Correctly	With minor errors	With major errors	Not at all

**Includes response with an explanation and/or description**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Complete and clear	Fairly complete and clear	Perhaps ambiguous or unclear	Totally unclear or irrelevant

**Presents supporting arguments**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Strong and sound	Logically sound, but may contain minor gaps	Incomplete or logically unsound	Not present

**Math  
Grade 2**

**Uses pictures, symbols, tables and graphs**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Correct and clearly relevant	Present with minor errors or somewhat irrelevant	Present with errors and/or irrelevant	Not present or completely inappropriate

**Uses terminology**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Clearly and precisely	With minor errors	With major errors	Not at all

**Math  
Grade 3**

**Identifies the elements of the problem and their relationships to one another**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
All major elements identified	Most elements identified	Some, but shows little understanding of relationships	Few or none

**Uses problem-solving strategies**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Systematic, complete,	Systematic and nearly	Incomplete or	Not evident or

efficient and possibly elegant	complete, but not efficient	unsystematic	inappropriate
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**Organizes relevant information**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Systematically and efficiently	Systematically, with minor errors	Unsystematically	Not at all

**Relates the problem and solution to previously encountered mathematics and makes connections**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
At length, elegant and meaningful	Evident	Brief or logically unsound	Not evident

**Persists in the problem solving process**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
At length	Until a solution is reached	Briefly	Not at all

**Looks back to examine the reasonableness of the solution and draws conclusions**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Insightful and comprehensive	Correct	Incorrect or logically unsound	Not present

## Math Grade 3

**Understands the task's mathematical concepts, their properties and applications**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Completely	Nearly completely	Partially	Not at all

**Translates between words, pictures, symbols, tables, graphs and real situations**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Readily and without errors	With minor errors	With major errors	Not at all

**Uses tools (measuring devices, graphs, tables, calculators, etc.) and procedures**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Correctly and efficiently	Correctly or with minor errors	Incorrectly	Not at all

**Uses knowledge of the facts of mathematics (geometry definitions, math facts, etc.)**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Correctly	With minor errors	With major errors	Not at all

**Includes response with an explanation and/or description**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Complete and clear	Fairly complete and clear	Perhaps ambiguous or unclear	Totally unclear or irrelevant

**Presents supporting arguments**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Strong and sound	Logically sound, but may contain minor gaps	Incomplete or logically unsound	Not present

**Math  
Grade 3**

**Uses pictures, symbols, tables and graphs**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Correct and clearly relevant	Present with minor errors or somewhat irrelevant	Present with errors and/or irrelevant	Not present or completely inappropriate

**Uses terminology**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Clearly and precisely	With minor errors	With major errors	Not at all

## Math Grade 4

**Identifies the elements of the problem and their relationships to one another**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
All major elements identified	Most elements identified	Some, but shows little understanding of relationships	Few or none

**Uses problem-solving strategies**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Systematic, complete, efficient and possibly elegant	Systematic and nearly complete, but not efficient	Incomplete or unsystematic	Not evident or inappropriate

**Organizes relevant information**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Systematically and efficiently	Systematically, with minor errors	Unsystematically	Not at all

**Relates the problem and solution to previously encountered mathematics and makes connections**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
At length, elegant and meaningful	Evident	Brief or logically unsound	Not evident

**Persists in the problem solving process**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
At length	Until a solution is reached	Briefly	Not at all

**Looks back to examine the reasonableness of the solution and draws conclusions**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Insightful and comprehensive	Correct	Incorrect or logically unsound	Not present

**Math  
Grade 4**

**Understands the task's mathematical concepts, their properties and applications**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Completely	Nearly completely	Partially	Not at all

**Translates between words, pictures, symbols, tables, graphs and real situations**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Readily and without errors	With minor errors	With major errors	Not at all

**Uses tools (measuring devices, graphs, tables, calculators, etc.) and procedures**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Correctly and efficiently	Correctly or with minor errors	Incorrectly	Not at all

**Uses knowledge of the facts of mathematics (geometry definitions, math facts, etc.)**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Correctly	With minor errors	With major errors	Not at all

**Includes response with an explanation and/or description**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Complete and clear	Fairly complete and clear	Perhaps ambiguous or unclear	Totally unclear or irrelevant

**Presents supporting arguments**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Strong and sound	Logically sound, but may contain minor gaps	Incomplete or logically unsound	Not present

## Math Grade 4

**Uses pictures, symbols, tables and graphs**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Correct and clearly relevant	Present with minor errors or somewhat irrelevant	Present with errors and/or irrelevant	Not present or completely inappropriate

**Uses terminology**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Clearly and precisely	With minor errors	With major errors	Not at all

## Math Grade 5

**Identifies the elements of the problem and their relationships to one another**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
All major elements identified	Most elements identified	Some, but shows little understanding of relationships	Few or none

**Uses problem-solving strategies**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Systematic, complete, efficient and possibly elegant	Systematic and nearly complete, but not efficient	Incomplete or unsystematic	Not evident or inappropriate

**Organizes relevant information**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Systematically and efficiently	Systematically, with minor errors	Unsystematically	Not at all

**Relates the problem and solution to previously encountered mathematics and makes connections**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
At length, elegant and meaningful	Evident	Brief or logically unsound	Not evident

**Persists in the problem solving process**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
At length	Until a solution is reached	Briefly	Not at all

**Looks back to examine the reasonableness of the solution and draws conclusions**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Insightful and comprehensive	Correct	Incorrect or logically unsound	Not present

## Math Grade 5

**Understands the task's mathematical concepts, their properties and applications**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Completely	Nearly completely	Partially	Not at all

**Translates between words, pictures, symbols, tables, graphs and real situations**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Readily and without errors	With minor errors	With major errors	Not at all

**Uses tools (measuring devices, graphs, tables, calculators, etc.) and procedures**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Correctly and efficiently	Correctly or with minor errors	Incorrectly	Not at all

**Uses knowledge of the facts of mathematics (geometry definitions, math facts, etc.)**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Correctly	With minor errors	With major errors	Not at all

**Includes response with an explanation and/or description**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Complete and clear	Fairly complete and clear	Perhaps ambiguous or unclear	Totally unclear or irrelevant

**Presents supporting arguments**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Strong and sound	Logically sound, but may contain minor gaps	Incomplete or logically unsound	Not present

**Math  
Grade 5**

**Uses pictures, symbols, tables and graphs**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Correct and clearly relevant	Present with minor errors or somewhat irrelevant	Present with errors and/or irrelevant	Not present or completely inappropriate

**Uses terminology**

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Clearly and precisely	With minor errors	With major errors	Not at all

# Math Kindergarten

## Identifies the elements of the problem and their relationships to one another

Exceeds	Meets	Nearing	Below
All major elements identified	Most elements identified	Some, but shows little understanding of relationships	Few or none

## Uses problem-solving strategies

Exceeds	Meets	Nearing	Below
Systematic, complete, efficient and possibly elegant	Systematic and nearly complete, but not efficient	Incomplete or unsystematic	Not evident or inappropriate

## Organizes relevant information

Exceeds	Meets	Nearing	Below
Systematically and efficiently	Systematically, with minor errors	Unsystematically	Not at all

## Relates the problem and solution to previously encountered mathematics and makes connections

Exceeds	Meets	Nearing	Below
At length, elegant and meaningful	Evident	Brief or logically unsound	Not evident

## Persists in the problem solving process

Exceeds	Meets	Nearing	Below
At length	Until a solution is reached	Briefly	Not at all

## Looks back to examine the reasonableness of the solution and draws conclusions

Exceeds	Meets	Nearing	Below
Insightful and comprehensive	Correct	Incorrect or logically unsound	Not present

# Math Kindergarten

## Understands the task's mathematical concepts, their properties and applications

Exceeds	Meets	Nearing	Below
Completely	Nearly completely	Partially	Not at all

## Translates between words, pictures, symbols, tables, graphs and real situations

Exceeds	Meets	Nearing	Below
Readily and without errors	With minor errors	With major errors	Not at all

## Uses tools (measuring devices, graphs, tables, calculators, etc.) and procedures

Exceeds	Meets	Nearing	Below
Correctly and efficiently	Correctly or with minor errors	Incorrectly	Not at all

## Uses knowledge of the facts of mathematics (geometry definitions, math facts, etc.)

Exceeds	Meets	Nearing	Below
Correctly	With minor errors	With major errors	Not at all

## Includes response with an explanation and/or description

Exceeds	Meets	Nearing	Below
Complete and clear	Fairly complete and clear	Perhaps ambiguous or unclear	Totally unclear or irrelevant

## Presents supporting arguments

Exceeds	Meets	Nearing	Below
Strong and sound	Logically sound, but may contain minor gaps	Incomplete or logically unsound	Not present

# Math Kindergarten

## Uses pictures, symbols, tables and graphs

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Correct and clearly relevant	Present with minor errors or somewhat irrelevant	Present with errors and/or irrelevant	Not present or completely inappropriate

## Uses terminology

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Clearly and precisely	With minor errors	With major errors	Not at all

# Math Grade 6

## Identifies the elements of the problem and their relationships to one another

Exceeds	Meets	Nearing	Below
All major elements identified	Most elements identified	Some, but shows little understanding of relationships	Few or none

## Uses problem-solving strategies

Exceeds	Meets	Nearing	Below
Systematic, complete, efficient and possibly elegant	Systematic and nearly complete, but not efficient	Incomplete or unsystematic	Not evident or inappropriate

## Organizes relevant information

Exceeds	Meets	Nearing	Below
Systematically and efficiently	Systematically, with minor errors	Unsystematically	Not at all

## Relates the problem and solution to previously encountered mathematics and makes connections

Exceeds	Meets	Nearing	Below
At length, elegant and meaningful	Evident	Brief or logically unsound	Not evident

## Persists in the problem solving process

Exceeds	Meets	Nearing	Below
At length	Until a solution is reached	Briefly	Not at all

## Looks back to examine the reasonableness of the solution and draws conclusions

Exceeds	Meets	Nearing	Below
Insightful and comprehensive	Correct	Incorrect or logically unsound	Not present

# Math Grade 6

## Understands the task's mathematical concepts, their properties and applications

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Completely	Nearly completely	Partially	Not at all

## Uses tools (measuring devices, graphs, tables, calculators, etc.) and procedures

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Correctly and efficiently	Correctly or with minor errors	Incorrectly	Not at all

## Computes Accurately

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Consistently scores at or above 93%	Consistently scores at or above 70%	Consistently scores at or above 60%	Almost always scores below 60%

## Includes response with an explanation and/or description

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Complete and clear	Fairly complete and clear	Perhaps ambiguous or unclear	Totally unclear or irrelevant

## Presents supporting arguments

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Strong and sound	Logically sound, but may contain minor gaps	Incomplete or logically unsound	Not present

## Uses terminology

<b>Exceeds</b>	<b>Meets</b>	<b>Nearing</b>	<b>Below</b>
Clearly and precisely	With minor errors	With major errors	Not at all