

**Object: Organization**

**Attribute: Organization Name or Organization ID**

**MATHEMATICS REFERENCE EXAMINATION**

**School Summary For**

Northeast Kingdom High School  
School 91999 B

VT - Catamount Supervisory Union - 88

GRADE: 10 TEST DATE: 03/04

**Time Period: 2003-2004**

**What was tested**

	Mathematical Skills	Mathematical Concepts	Problem Solving
Each of the areas tested represents part of the Mathematics Standards. These are brief descriptions of the Standards.	The student accomplishes tasks by using mathematical skills effectively, including the computation and symbol manipulation skills of arithmetic and algebra as well as geometric and graphical skills.	The student uses concepts of Number and Operation, Geometry and Measurement, Function and Algebra and Statistics and Probability to solve problems.	The student uses concepts and skills to formulate problems, implement solutions, justify conclusions, and make generalizations; and uses the language of mathematics to describe concepts and to explain reasoning and results.

	Percent Achieved			Performance Level		
	School	District	State	School	District	State
<b>Mean Total Score:</b> <b>Mathematics = 148</b> (A Total Score of 150 = Achieved the Overall Standard in Mathematics. 45% = Percent Achieving the Overall Standard in Mathematics.)	34%	34%	34%	7%	7%	10%
Achieved the Standard with Honors	34%	34%	30%	26%	26%	30%
Achieved the Standard	6%	6%	9%	21%	21%	14%
Nearly Achieved the Standard	24%	24%	22%	36%	36%	32%
Below the Standard	2%	2%	4%	9%	9%	15%
Little Evidence of Achievement						

**What students need**

Mathematical Skills	Mathematical Concepts	Problem Solving
( 74% ) using computation effectively to solve problems ( 74% ) converting measures and applying rates ( 41% ) using estimation strategies to solve problems ( 31% ) reading & interpreting pictorial representations of data	( 93% ) deriving formulas for irregular (shaded) areas ( 90% ) deriving and using equations of functions ( 89% ) applying and describing transformations of functions ( 86% ) using formulas to determine (shaded) areas ( 83% ) solving a linear equation for a specified variable ( 80% ) using formulas to determine area	( 88% ) determining possible dimensions when given volume ( 85% ) constructing scatter plots and regression lines ( 84% ) applying sampling to make projections and solve problems

**Object: NSRE Math Performance Levels**

**Attribute: Reporting Area**

**Object: NSRE Math Performance Levels**

**Attribute: Performance Levels**

**Object: NSRE Math Additional Summary Scores**

**Attributes: CRT: Scaled Scores, Math CRT: Performance Totals, Math**

**Object: NSRE Math Additional Summary Scores**

**Attributes: National Curve Equivalent and National Percentile Rank**

An estimate of the national percentile rank\* in Mathematics for the typical student in this group is

80

\* 1995 norms for the Stanford Achievement Test Series, Ninth Edition.

COPY 01 FORM E HIGH

Scores based on normative data copyright © 1996 by Harcourt, Inc. All rights reserved.

Process No. 10488028-1702012-0714-00024-1