Statistics

Instructional Focus: Analyze and use data to solve problems

CCSS	4 – Mastery	3 – Proficient	2 - Basic	1 – Below Basic	0 – No Evidence
Calculating and interpreting standard deviations **Determining the probability of normal distributions**	Can extend thinking beyond the standard, including tasks that may involve one of the following: • Designing • Connecting • Synthesizing • Applying • Justifying • Critiquing • Analyzing • Creating • Proving	For random variables and binomial random variables, calculate <u>and interpret</u> the standard deviation Determine <u>binomial probability</u> by using normal approximation	For random variables <u>and</u> binomial random variables, calculate the standard deviation Determine the <u>probability of nonstandard</u> normal distributions by <u>calculating a z-score</u>	For random variables <u>or</u> binomial random variables, calculate the standard deviation Determine the <u>probability of standard</u> normal distributions, <u>given a z-score</u>	Little evidence of reasoning or application to solve the problem Does not meet the criteria in a level 1