



# Idaho Alternate Assessment Math Blueprint

Grade 5

## IDAA MATH ITEM DISTRIBUTION ACROSS STRANDS: 40 ITEMS

Strand	Minimum Items	Maximum Items	% of Items Per Strand
Data Analysis, Probability, & Statistics	5	7	13-20%
Geometry	5	7	13-18%
Measurement	6	8	15-20%
Number and Operations	11	13	28-33%
Patterns, Relations, & Functions	5	7	13-18%
Symbolic Expression	1	2	3-5%

## DATA ANALYSIS, PROBABILITY, & STATISTICS ITEMS ACROSS STANDARDS: 5 TO 7 ITEMS

Data Analysis, Probability, and Statistics	Minimum Items	Maximum Items
5.DPS.1c1: Collect and graph data	0	2
5.DPS.1d1: Select an appropriate statement about the range of the data up to 10 points	0	2
5.DPS.1e1: Use measures of central tendency to interpret data including overall patterns in the data	0	2

## GEOMETRY ITEMS ACROSS STANDARDS: 5 TO 7 ITEMS

Geometry	Minimum Items	Maximum Items
5.GM.1j1: Recognize parallel and perpendicular lines within the context of two-dimensional figures	0	2
5.GM.1a1: Recognize properties of simple plane figures	0	2
5.GM.1b1: Distinguish plane figures by their properties	0	2
5.GM.1c1: Locate the x and y axis on a graph	0	1
5.GM.1c2: Locate points on a graph	0	1
5.GM.1c3: Use order pairs to graph given points	0	1

## MEASUREMENT ACROSS STANDARDS: 6 TO 8 ITEMS

Measurement	Minimum Items	Maximum Items
5.ME.1a1: Identify the appropriate units of measurement for different purposes in a real-life context	0	2
5.ME.1b1: Convert standard measurements of time	0	1
5.ME.1b2: Convert standard measurements of length	0	1

Measurement	Minimum Items	Maximum Items
5.ME.1b3: Convert standard measurements of mass	0	1
5.ME.2a1: Solve problems involving conversions of standard measurement units	0	2
5.ME.2b1: Use filling and multiplication to determine volume	0	1
5.ME.2b2: Apply formula to solve one step problems involving volume	0	1

## NUMBER AND OPERATIONS ACROSS STANDARDS: 11 TO 13 ITEMS

Number and Operations	Minimum Items	Maximum Items
5.NO.1a1: Compare the value of a number when it is represented in different place values of two 3-digit numbers	0	2
5.NO.1b1: Read, write, or select a decimal to the hundredths place	0	1
5.NO.1b2: Read, write, or select a decimal to the thousandths place	0	1
5.NO.1b3: Compare two decimals to the thousandths place with a value of less than 1	0	1
5.NO.1b4: Round decimals to the next whole number	0	1
5.NO.1b5: Round decimals to the tenths place	0	1
5.NO.1b6: Round decimals to the hundredths place	0	1
5.NO.1c1: Rewrite a fraction as a decimal	0	1
5.NO.1c2: Rewrite a decimal as a fraction	0	1
5.NO.2a1: Solve problems or word problems using up to three-digit numbers and addition or subtraction or multiplication	0	1
5.NO.2a2: Separate a group of objects into equal sets when given the number of sets to find the total in each set with the total number less than 50	0	1
5.NO.2a3: Find whole number quotients up to two dividends and two divisors	0	1
5.NO.2a4: Find whole number quotients up to four dividends and two divisors	0	1
5.NO.2a5: Solve word problems that require multiplication or division	0	1
5.NO.2b1: Add and subtract fractions with unlike denominators by replacing fractions with equivalent fractions	0	1
5.NO.2b2: Add or subtract fractions with unlike denominators	0	1
5.NO.2b3: Multiply a fraction by a whole or mixed number	0	1
5.NO.2b4: Divide unit fractions by whole numbers and whole numbers by unit fractions	0	1
5.NO.2c1: Solve 1 step problems using decimals	0	1
5.NO.2c2: Solve word problems involving the addition, subtraction, multiplication or division of fractions	0	1

## PATTERNS, RELATIONS, AND FUNCTIONS ACROSS STANDARDS: 5 TO 7 ITEMS

Patterns, Relations, and Functions	Minimum Items	Maximum Items
5.PRF.1a1: Determine whether the product will increase or decrease based on the multiplier	0	2
5.PRF.1b1: Given 2 patterns involving the same context determine the 1st 5 terms and compare the values	0	1
5.PRF.1b2: When given a line graph representing two arithmetic patterns, identify the relationship between the two	0	1
5.PRF.2a1: Generate a pattern that follows the provided rule	0	2
5.PRF.2b1: Generate or select a comparison between two graphs from a similar situation	0	2

## SYMBOLIC EXPRESSION ACROSS STANDARDS: 2 TO 4 ITEMS

Symbolic Expression	Minimum Items	Maximum Items
5.SE.1a1: Given a real-world problem, write an expression using 1 set of parentheses	1	2