Idaho Alternate Assessment Math Blueprint

Grade 3

IDAA MATH ITEM DISTRIBUTION ACROSS STRANDS: 40 ITEMS

Strand	Minimum Items	Maximum Items	% of Items Per Strand
Data Analysis, Probability, & Statistics	5	8	13-20%
Geometry	3	5	8-13%
Measurement	7	10	18-25%
Number and Operations	12	14	30-35%
Patterns, Relations, & Functions	4	2	10-15%
Symbolic Expression	2	3	5-8%

DATA ANALYSIS, PROBABILITY, & STATISTICS ITEMS ACROSS STANDARDS: 5 TO 8 ITEMS

Data Analysis, Probability, and Statistics	Minimum Items	Maximum Items
3.DPS.1g1: Collect data, organize into picture or bar graph	0	3
3.DPS.1g2: Organize measurement data into a line plot	0	3
3.DPS.1i1: Select the appropriate statement that describes the data representations based on a given graph	0	3

GEOMETRY ITEMS ACROSS STANDARDS: 3 TO 5 ITEMS

Geometry	Minimum Items	Maximum Items
3.GM.1h1: Identify shared attributes of shapes	0	3
3.GM.1i1: Identify shared attributes of shapes	0	3

MEASUREMENT ACROSS STANDARDS: 7 TO 10 ITEMS

Measurement	Minimum Items	Maximum Items
3.ME.1a1: Tell time to the nearest 5 minutes using a digital clock	0	1
3.ME.1a2: Solve word problems involving the addition and subtraction of time intervals of whole hours or within an hour	0	1
3.ME.1d1: Use tiling and addition to determine area	0	1
3.ME.1d2: Measure area of rectilinear figures by counting squares	0	1
3.ME.1f1: Select appropriate units for measurement (liquid volume, area, time, money)	0	1
3.ME.1f2: Add to solve 1 step word problems	0	1
3.ME.1g1: Identify a figure as getting larger or smaller when the dimensions of the figure change	0	1

Measurement	Minimum Items	Maximum Items
3.ME.2e1: Select appropriate tool for measurement: liquid volume, area, time, money	0	1
3.ME.2e2: Generate measurement data by measuring lengths using rulers marked with halves and fourths of an inch	0	1
3.ME.2e3: Measure to solve problems using number lines and ruler to 1 inch, ½ inch, or ¼ of an inch	0	1
3.ME.2h1: Use addition to find the perimeter of a rectangle	0	1
3.ME.2i1: Estimate liquid volume	0	1

NUMBER AND OPERATIONS ACROSS STANDARDS: 12 TO 14 ITEMS

Number and Operations	Minimum Items	Maximum Items
3.NO.1e1: Skip count by 100s	0	1
3.NO.1e2: Mentally add or subtract 100 from a given set from the 100s family	0	1
3.NO.1h1: Compare 3-digit numbers using representations and numbers	0	1
3.NO.1j1: Build representations of numbers using hundreds, tens and ones	0	1
3.NO.1j2: Write or select the expanded form for up to 3-digit number	0	1
3.NO.1j3: Use place value to round to the nearest 10 or 100	0	1
3.NO.1j4: Use rounding to solve word problems	0	1
3.NO.1l1: Identify the number of highlighted parts (numerator) of a given representation	0	1
3.NO.1l2: Identify the total number of parts (denominator) of a given representation	0	1
3.NO.1l3: Identify the fraction that matches the representation (rectangles and circles; halves, fourths, thirds, eighths)	0	1
3.NO.1l4: Identify that a part of a rectangle can be represented as a fraction that has a value between 0 and 1	0	1
3.NO.1l5: Locate given common unit fractions on a number line or ruler	0	1
3.NO.2b1: Use the relationships between addition and subtraction to solve problems	0	1
3.NO.2c1: Solve multi-step addition and subtraction problems up to 100	0	1
3.NO.2d1: Find the total number of objects when given the number of identical groups and the number of objects in each group neither number larger than 5	0	1
3.NO.2d2: Find total number inside an array with neither number in the columns or rows larger than 5	0	1
3.NO.2d3: Solve multiplication problems with neither number greater than 5	0	1
3.NO.2d4: Determine how many objects go into each group when given the total number of objects and the number of groups where the number in each group or number of groups is not greater than 5	0	1
3.NO.2d5: Determine the number of groups given the total number of objects and the number of objects in each group where the number in each group and the number of groups is not greater than 5	0	1

Number and Operations	Minimum Items	Maximum Items
3.NO.2e1: Solve or solve and check one or two step word problems requiring addition, subtraction or multiplication with answers up to 100	0	1

PATTERNS, RELATIONS, AND FUNCTIONS ACROSS STANDARDS: 4 TO 6 ITEMS

Patterns, Relations, and Functions	Minimum Items	Maximum Items
3.PRF.1d1: Use objects to model multiplication and division situations involving up to 5 groups with up to 5 objects in each group and interpret the results	0	1
3.PRF.1e1: Describe the rule for a numerical pattern	0	1
3.PRF.1e2: Select or name the 3 next terms in a numerical pattern where numbers increase by 2, 5 or 10	0	1
3.PRF.1f1: Determine the equivalence between number of minutes and the fraction of the hour	0	1
3.PRF.1f2: Determine the equivalence between the number of minutes and the number of hours	0	1
3.PRF.2d1: Identify multiplication patterns in a real-world setting	0	1
3.PRF.2d2: Apply properties of operations as strategies to multiply and divide	0	1

SYMBOLIC EXPRESSION ACROSS STANDARDS: 2 TO 3 ITEMS

Symbolic Expression	Minimum Items	Maximum Items
3.SE.1g1: Use =, <, or > to compare 2 fractions with the same numerator or denominator	2	3