

North Dakota Math Grade 3 Computer Adaptive Blueprint

Reporting Category	Standards Assessed	DOK	Approximate Portion of Test 36 – 38 items
Operations and Algebraic Thinking	3.OA.1 3.OA.2 3.OA.3* 3.OA.4	1,2,3	31-34%
	3.OA.5** 3.OA.6	1,2,3	
	3.OA.7	1,2	
	3.OA.8* 3.OA.9**	2,3	
Number and Operations in Base Ten	3.NBT.1 3.NBT.2 3.NBT.3**	1,2	22-24%
Number and Operations – Fractions	3.NF.1 3.NF.2 3.NF.3**	1,2,3	22-24%
Measurement, Data, Geometry	3.MD.1* 3.MD.2*	1,2,3	25-26%
	3.MD.3* 3.MD.4	1,2,3	
	3.MD.5 3.MD.6 3.MD.7**	1,2,3	
	3.MD.8*	1,2,3	
	3.G.1** 3.G.2	1,2,3	

*Items aligned to this standard may include Modeling and Problem Solving.

**Items aligned to this standard may require the student to use Mathematical Reasoning.

At least 75% of all standards within a reporting category are assessed every year, and each standard is assessed within every 2 years.

DOK 1	17-26 %
DOK 2	53-63 %
DOK 3	14-26 %

North Dakota Math Grade 4 Computer Adaptive Blueprint

Reporting Category	Standards Assessed	DOK	Approximate Portion of Test 36 – 38 items
Operations and Algebraic Thinking	4.OA.1 4.OA.2* 4.OA.3*	1,2,3	25-29%
	4.OA.4	1,2,3	
	4.OA.5	1,2,3	
Number and Operations in Base Ten	4.NBT.1 4.NBT.2 4.NBT.3	1,2,3	22-24%
	4.NBT.4 4.NBT.5** 4.NBT.6**	1,2,3	
Number and Operations - Fractions	4.NF.1** 4.NF.2**	1,2,3	22-24%
	4.NF.3* 4.NF.4*	1,2,3	
	4.NF.5 4.NF.6 4.NF.7**	1,2,3	
Measurement, Data, Geometry	4.MD.1 4.MD.2* 4.MD.3*	1,2,3	25-26%
	4.MD.4*	2,3	
	4.MD.5 4.MD.6 4.MD.7**	1,2,3	
	4.G.1 4.G.2 4.G.3	1,2,3	

*Items aligned to this standard may include Modeling and Problem Solving.

**Items aligned to this standard may require the student to use Mathematical Reasoning.

At least 75% of all standards within a reporting category are assessed every year, and each standard is assessed within every 2 years.

DOK 1	17-26 %
DOK 2	53-63 %
DOK 3	14-26 %

North Dakota Math Grade 5 Computer Adaptive Blueprint

Reporting Category	Standards Assessed	DOK	Approximate Portion of Test 36 – 38 items
Operations and Algebraic Thinking	5.OA.1	2,3	25-29%
	5.OA.2		
	5.OA.3**	2,3	
	5.OA.4	2,3	
Number and Operations in Base Ten	5.NBT.1	1,2	22-24%
	5.NBT.2**		
	5.NBT.3		
	5.NBT.4		
	5.NBT.5	1,2,3	
	5.NBT.6**		
5.NBT.7**			
Number and Operations - Fractions	5.NF.1	2,3	22-24%
	5.NF.2*		
	5.NF.3*	1,2,3	
	5.NF.4**		
	5.NF.5**		
	5.NF.6*		
	5.NF.7*		
Measurement, Data, and Geometry	5.MD.1	1,2	25-26%
	5.MD.2*	1,2,3	
	5.MD.3	1,2,3	
	5.MD.4		
	5.MD.5*		
	5.G.1	1,2,3	
	5.G.2*		
	5.G.3**	2,3	
5.G.4			

*Items aligned to this standard may include Modeling and Problem Solving.

**Items aligned to this standard may require the student to use Mathematical Reasoning.

At least 75% of all standards within a reporting category are assessed every year, and each standard is assessed within every 2 years.

DOK 1	17-26 %
DOK 2	53-63 %
DOK 3	14-26 %

North Dakota Math Grade 6 Computer Adaptive Blueprint

Reporting Category	Standards Assessed	DOK	Approximate Portion of Test 36 – 38 items	
Ratios and Proportional Relationships and Number Systems	6.RP.1 6.RP.2 6.RP.3*	1,2,3	28-34%	
	6.NS.1*	2,3		
	6.NS.2 6.NS.3 6.NS.4	1,2		
	6.NS.5 6.NS.6** 6.NS.7** 6.NS.8*	2,3		
Expressions and Equations	6.EE.1 6.EE.2 6.EE.3** 6.EE.4	1,2	25-29%	
	6.EE.5** 6.EE.6* 6.EE.7* 6.EE.8*	1,2,3		
	6.EE.9*	2,3		
Geometry	6.G.1** 6.G.2** 6.G.3 6.G.4	1,2,3	21-22%	
Statistics and Probability	6.SP.1 6.SP.2 6.SP.3**	1,2	21-22%	
	6.SP.4 6.SP.5*	1,2,3		

*Items aligned to this standard may include Modeling and Problem Solving.

**Items aligned to this standard may require the student to use Mathematical Reasoning.

At least 75% of all standards within a reporting category are assessed every year, and each standard is assessed within every 2 years.

DOK 1	17-26 %
DOK 2	53-63 %
DOK 3	14-26 %

North Dakota Math Grade 7 Computer Adaptive Blueprint

Reporting Category	Standards Assessed	DOK	Approximate Portion of Test 36 – 38 items
Ratios and Proportional Relationships and Number Systems	7.RP.1	1,2,3	25-26%
	7.RP.2**		
	7.RP.3*		
	7.NS.1**	1,2,3	
	7.NS.2**		
7.NS.3*			
Expressions and Equations	7.EE.1	1,2,3	25-26%
	7.EE.2		
	7.EE.3*	1,2,3	
	7.EE.4*		
Geometry	7.G.1*	2,3	25-26%
	7.G.2**		
	7.G.3		
	7.G.4	1,2,3	
	7.G.5**		
	7.G.6*		
Statistics and Probability	7.SP.1	1,2	25-26%
	7.SP.2**		
	7.SP.3	1,2,3	
	7.SP.4**		
	7.SP.5	1,2,3	
	7.SP.6*		
	7.SP.7*		
	7.SP.8*		

*Items aligned to this standard may include Modeling and Problem Solving.

**Items aligned to this standard may require the student to use Mathematical Reasoning.

At least 75% of all standards within a reporting category are assessed every year, and each standard is assessed within every 2 years.

DOK 1	17-26 %
DOK 2	53-63 %
DOK 3	14-26 %

North Dakota Math Grade 8 Computer Adaptive Blueprint

Reporting Category	Standards Assessed	DOK	Approximate Portion of Test 36 – 38 items
Expressions and Equations and Number Systems	8.NS.1 8.NS.2**	1,2	28-34%
	8.EE.1 8.EE.2 8.EE.3 8.EE.4	1,2,3	
	8.EE.5* 8.EE.6**	1,2,3	
	8.EE.7** 8.EE.8*	1,2,3	
Functions	8.F.1 8.F.2* 8.F.3	1,2,3	25-26%
	8.F.4* 8.F.5*	1,2,3	
Geometry	8.G.1 8.G.2** 8.G.3 8.G.4** 8.G.5**	1,2,3	22-24%
	8.G.6** 8.G.7 8.G.8	1,2,3	
	8.G.9*	1,2,3	
Statistics and Probability	8.SP.1 8.SP.2* 8.SP.3* 8.SP.4**	1,2,3	21-22%

*Items aligned to this standard may include Modeling and Problem Solving.

**Items aligned to this standard may require the student to use Mathematical Reasoning.

At least 75% of all standards within a reporting category are assessed every year, and each standard is assessed within every 2 years.

DOK 1	17-26 %
DOK 2	53-63 %
DOK 3	14-26 %

North Dakota Math Grade 10 Computer Adaptive Blueprint

Reporting Category	Standards Assessed	DOK	Approximate Portion of Test 36 items
Algebra	N.RN.4	1,2,3	25%
	A.SSE.3		
	A.APR.1		
	A.CED.1*		
	A.CED.2*		
	A.CED.3*		
	A.CED.4		
A.REI.1** A.REI.10	1,2,3	28%	
A.REI.3 A.REI.11**			
A.REI.4 A.REI.12			
A.REI.6			
F.IF.1 F.IF.5			
F.IF.2* F.IF.6			
F.IF.3 F.IF.7			
F.IF.4* F.IF.9**			
F.BF.1*	1,2,3	25%	
F.BF.3**			
F.LE.1 F.LE.3			
F.LE.2* F.LE.5*	1,2,3	25%	
G.CO.1 G.CO.7**			
G.CO.2 G.CO.8**			
G.CO.3 G.CO.9			
G.CO.4** G.CO.10			
G.CO.5 G.CO.11			
G.CO.6			
G.SRT.5*			
G.GPE.4**			
G.GPE.5			
G.GPE.7*			
G.GMD.2*	1,2,3	22%	
G.GMD.3*			
S.ID.1 S.ID.5**	1,2,3	22%	
S.ID.2 S.ID.6*			
S.ID.3* S.ID.7*			
S.CP.2			
S.CP.3			

*Items aligned to this standard may include Modeling and Problem Solving.

**Items aligned to this standard may require the student to use Mathematical Reasoning.

At least 75% of all standards within a reporting category are assessed every year, and each standard is assessed within every 3 years.

DOK 1	19-25%
DOK 2	50-64 %
DOK 3	19-25 %