



# DOMA

(Diagnostic Online Math Assessment)

Version: **Basic Math Skills**

## Confidential Information

**Student: Alison Heaton**  
**Assessment Date: 03/12/2007**  
**Grade: 1.5**  
**Age: 6 yrs 6 months**

### DOMA (Diagnostic Online Math Assessment): Basic Math Skills

*DOMA: Basic Math Skills* was built on the Let's Go Learn OAASIS™ platform that uses adaptive assessment technology to intelligently decide which specific test items will be administered to students. Based on individual student performance during the assessment, *DOMA* uses OAASIS's to adjust the difficulty of constructs and items.

**Numbers Skill Strand:** This strand starts with constructs one grade level below the student's grade level. While the OAASIS adjusts items selection in the process of identifying a student's highest area of mastery, the assessment may skip sections when moving forward or backward along constructs. These skipped sections will be noted by the "NT" values in this detailed report.

**Fractions Strand:** Because this strand orders constructs from easiest to hardest, the last checked box (which is the highest level of mastery for this strand) will allow teachers to identify where students' fraction knowledge generally ends and where instruction should begin. In the process of identifying a student's highest level of mastery, this strand also skips sections in order to jump to the student's ceiling of fraction knowledge.

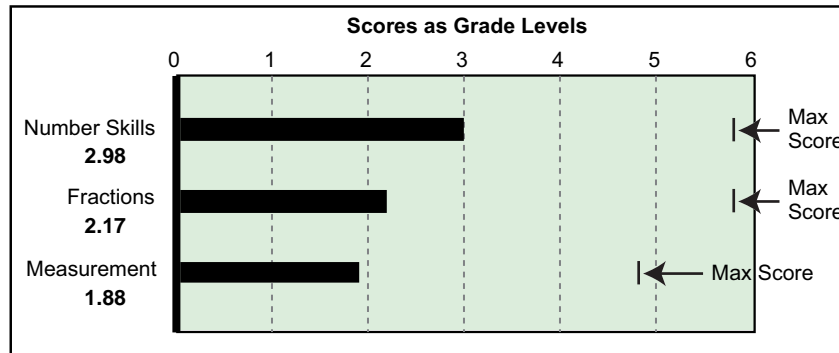
**Measurement Strand:** This strand is non-linear in nature meaning mastery in one construct does not assume mastery for lower constructs. This strand starts administering constructs one grade level below the student's grade level and moves through all constructs within a grade level. Above grade level constructs are only tested if a student demonstrates mastery at his or her highest grade level construct.

\* For more info. see Interpreting Basic Math Skills scores. <http://www.letsgolearn.com/media/PDFs/InterBasicMathSkills.pdf>

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**Numbers Skills (Grade Range: K to 5):**

Checked = Tested as mastery  
 Unchecked = Tested as Non-mastery  
 NT = Not Tested

**Kindergarten**

	Status
Numbers and Numerals .....	NT
Counting Backwards .....	NT
Comparing (0-10) .....	NT

**Grade One**

Cardinal and Ordinal Numbers.....	<input checked="" type="checkbox"/>
Numerals and Counting (0-120).....	<input checked="" type="checkbox"/>
Comparing Using Symbols (2-digit numbers) .....	<input type="checkbox"/>
Place Value (ones and tens) .....	<input checked="" type="checkbox"/>
Addition (equivalent forms) .....	<input checked="" type="checkbox"/>
Addition (to 10).....	<input type="checkbox"/>
Subtracting (from 10) .....	<input checked="" type="checkbox"/>
Counting (by 1s, 2s, 3s, 5s, and 10s).....	<input checked="" type="checkbox"/>

**Grade Two**

Place Value (ones, tens, and hundreds) .....	<input checked="" type="checkbox"/>
Comparing Using Symbols (3-digit numbers) .....	<input checked="" type="checkbox"/>
Text and Numerals (0-120).....	<input checked="" type="checkbox"/>
Multi-digit Addition (2-digit numbers).....	<input checked="" type="checkbox"/>
Multi-digit Subtraction (2-digit numbers) .....	<input checked="" type="checkbox"/>
Counting (by hundreds and thousands).....	<input checked="" type="checkbox"/>
Multiplication (grouping and repeated addition) .....	<input checked="" type="checkbox"/>

**Grade Three**

Place Value (thousands, ten-thousands, and hundred-thousands) .....	<input type="checkbox"/>
Comma and Place Holder .....	<input checked="" type="checkbox"/>
Place Value (expanded form).....	<input checked="" type="checkbox"/>
Rounding.....	<input type="checkbox"/>
Multiplication Facts .....	<input type="checkbox"/>
Multi-digit Addition (3 and 4-digit numbers).....	<input type="checkbox"/>
Multi-digit Subtraction (3 and 4-digit numbers) .....	NT
Division (single digit divisor and remainders).....	NT
Multiplication Facts (factors of 0 and 1) .....	NT
Money (equivalent and non-equivalent numbers using money).....	NT

**Grade Four**

Multiplication (commutative, associative, distributive properties).....	NT
Multiplication (powers of ten) .....	NT
Place Value (thousands, ten-thousands, hundred-thousands, millions) .....	NT
Comparing and Ordering Numbers (through ten-millions) .....	NT
Decimals (comparing and ordering).....	NT

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**Grade Four (continued)**

	Status
Rounding (10s, 100s, 1000s).....	NT
Adding and Subtracting Decimals .....	NT
Multi-digit Addition (estimation and computation).....	NT
Multiplication (2-digit numbers by a single digit number) .....	NT
Multiplication (3-digit numbers by a single digit number) .....	NT
Division (3 and 2-digit dividends by a single digit divisor with remainders).....	NT
Number Theory (divisibility).....	NT
Number Theory (factors).....	NT
Number Theory (multiples).....	NT

**Grade Five**

Multiplication (2 and 3-digit numbers by a 2-digit number) .....	NT
Percentages and Fractions .....	NT
Percentages and Decimals .....	NT
Percentages and Ratios.....	NT
Percentages and Proportions.....	NT
Percentages (estimating and calculating) .....	NT
Number Theory (prime and composite numbers) .....	NT
Number Theory (prime factors) .....	NT
Number Theory (greatest common factors) .....	NT
Number Theory (divisibility rules).....	NT
Multiplication (decimals and money notation) .....	NT
Division (decimals) .....	NT
Division (4-digit dividends by a 2-digit divisor with remainders).....	NT
Multiplication (commutative, associative, distributive properties).....	NT

**Fractions (Grade Range: 2 to 5):**

Checked = Tested as mastery  
 Unchecked = Tested as Non-mastery  
 NT = Not Tested

**Grade Two**

Fractions (representing & comparing fractions, like denominator or numerator) .....	<input checked="" type="checkbox"/>
Fractions (as parts of sets).....	<input type="checkbox"/>
Fractions (equivalent fractions).....	NT

**Grade Three**

Fractions (representing).....	NT
Fractions (equivalent).....	NT
Fractions (comparing) .....	NT
Fractions (ordering).....	NT
Renaming Fractions as Decimals (up to hundredths).....	NT
Fractions (solving problems with fractions).....	NT

**Grade Four**

Equivalent Fractions (lowest terms).....	NT
Renaming Fractions and Mixed Numbers as Decimals (tenths and hundredths).....	NT
Comparing and Ordering Fractions .....	NT
Proper, Improper, and Mixed Fractions .....	NT
Comparing Fractions (least common multiple).....	NT
Adding Fractions (like denominators).....	NT
Adding Fractions (unlike denominators).....	NT

**Grade Five**

Fractions (multiplying patterns).....	NT
Fractions (multiplying and dividing).....	NT

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**Measurement Skills (Grade Range: K to 4):**

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 NT = Not Tested

	Status
<b>Kindergarten</b>	
Money Recognition .....	☑
<b>Grade One</b>	
Time (reading a clock).....	☐
<b>Grade Two</b>	
Time (calendar) .....	☑
Elapsed Time .....	☑
Money (value) .....	☑
Temperature .....	☑
Capacity (customary) .....	☐
Capacity (metric) .....	NT
Length (customary and metric) .....	NT
Weight (customary and metric).....	NT
<b>Grade Three</b>	
Time (calendar).....	NT
Temperature .....	NT
Length (customary and metric) .....	NT
Weight (customary).....	NT
Capacity (units of measure).....	NT
<b>Grade Four</b>	
Length (customary) .....	NT
Length (converting customary units) .....	NT
Length (comparing customary units) .....	NT
Length (metric) .....	NT
Length (converting metric units) .....	NT
Length (comparing metric units).....	NT
Weight (units of measure).....	NT
Weight (converting and comparing units).....	NT
Capacity/Volume (customary) .....	NT
Area (customary) .....	NT
Perimeter and Circumference Measurement .....	NT
Capacity/Volume (comparing metric units).....	NT
Sides and Angles .....	NT