

# AIMSWEB PLUS

## (Grades K-1)

**Students in Grade K-1 are Globally assessed three times a year, using AIMSweb Plus. The assessment gives us a snapshot of students' math abilities in the areas of *EARLY NUMERACY*. Below, you will find information about each measure.**

**We utilize our AIMSweb Plus data as a component to help us identify students who would benefit from Tiered Math Support in Grades K and 1.**



Measure	Grade	Season	Required?	What students do	Admin time
Number Naming Fluency (NNF)	K	F, W, S	Yes	Verbally name numbers up to 20.	1 minute
Quantity Total Fluency (QTF)	K	F, W, S	Yes	Boxes containing blue dots are presented. Students state the total number of dots within each box or each pair of boxes.	1 minute
Quantity Difference Fluency (QDF)	K	W, S	Yes	Pairs of boxes containing dots (one with blue dots, one with red dots) are presented. Students state how many more blue dots are needed to match the number of red dots.	1 minute
Concepts & Applications (CA)	K, 1	F, W, S	Yes	Mentally solve various types of math problems and state the correct answers.	~7–12 minutes
Number Comparison Fluency–Pairs (NCF–P)	1	F, W, S	Yes	Pairs of numbers are presented. Students identify which of two numbers is larger for each pair.	1 minute
Math Facts Fluency–1 Digit (MFF–1D)	1	F, W, S	Yes	Mentally solve simple addition and subtraction problems involving numbers 0 through 10 and state the correct answers.	1 minute
Math Facts Fluency–Tens (MFF–T)	1	W, S	Yes	Mentally add or subtract 10 to/from given numbers and state the correct answers.	1 minute



Information Taken From: [http://help.aimswebplus.com/prd/fo\\_plus/aimswebplus\\_introductory\\_guide.pdf](http://help.aimswebplus.com/prd/fo_plus/aimswebplus_introductory_guide.pdf)

# Number Naming Fluency– NNF

## Overview

**Grade:** KINDERGARTEN (Fall, Winter, Spring)

**Test Format:** Individual, student stimulus book (print) and examiner digital record form (online), timed

**Test Content:** The student points to and names visually presented numbers for 1 minute. Each form contains 80 items.

**Scoring:** 1 point for each correctly named number

**Time Limit:** 1 minute

**EXAMPLE:**

2	5	7	8	1	9	6	0
4	3	5	0	9	2	7	1
3	8	6	14	4	11	5	2
16	1	3	10	12	4	15	18
0	13	19	17	20	16	8	11

# Quantity total Fluency– QTF

## Overview

**Grade:** KINDERGARTEN (Fall, Winter, Spring)

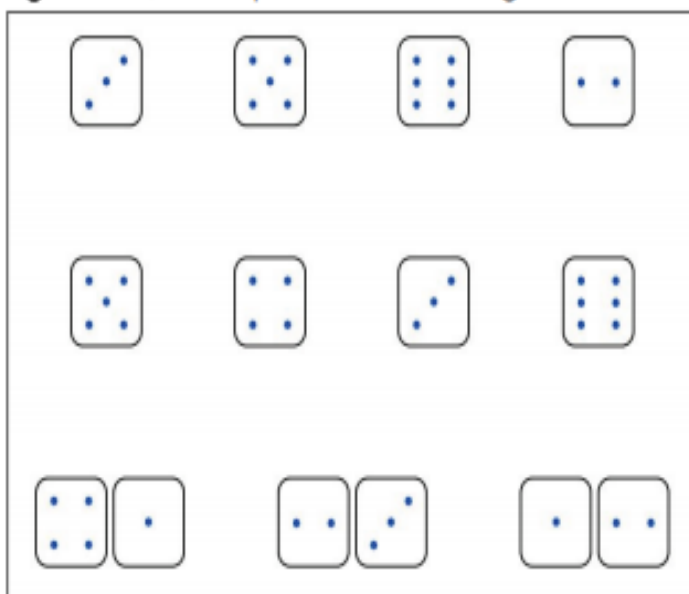
**Test Format:** Individual, student stimulus book (print) and examiner digital record form (online), timed

**Test Content:** The student states the total number of dots in each box or pair of boxes for 1 minute. Each form contains 38 items.

**Scoring:** 1 point for each correctly named number

**Time Limit:** 1 minute

**EXAMPLE:**



# Quantity Difference Fluency– QDF

## Overview

**Grade:** KINDERGARTEN (Winter, Spring)

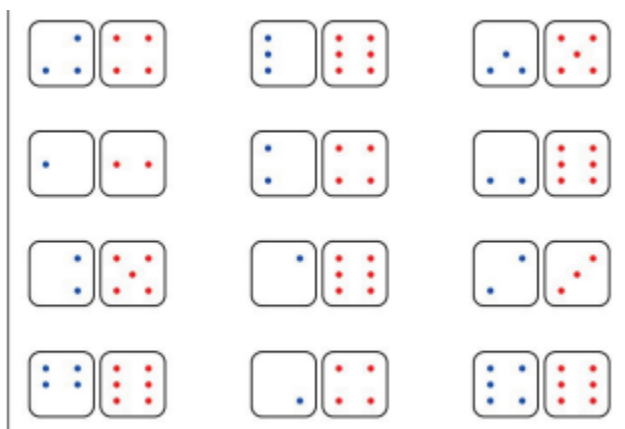
**Test Format:** Individual, student stimulus book (print) and examiner digital record form (online), timed

**Test Content:** The student states how many more blue dots are needed to match the number of red dots for each box pair for 1 minute. Each form contains 24 items.

**Scoring:** 1 point for each correctly named number

**Time Limit:** 1 minute

**EXAMPLE:**



**Concepts and applications - CA**  
Overview

**Grade:** KINDERGARTEN (Fall, Winter, Spring)

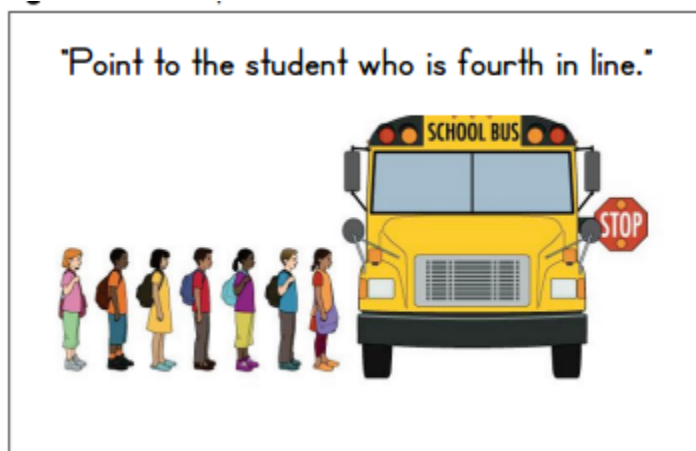
**Test Format:** Individual, student stimulus book (print) and examiner digital record form (online), timed

**Test Content:** The student solves one- and two-step math word problems, each addressing an aspect of grade-appropriate CCSS domains. The examiner reads each item to the student and the student states the correct answer, using the corresponding visual stimulus to solve the problem. The student attempts all 25 items in a given form.

**Scoring:** 1 point for each correctly named number

**Time Limit:** approximately 7-12 minutes

**EXAMPLE:**



**Number Comparison fluency pairs – NCF-P  
Overview**

**Grade:** ONE (Fall, Winter, Spring)

**Test Format:** Individual, student stimulus book (print) and examiner digital record form (online), timed

**Test Content:** The student points to and names the larger number in each pair for 1 minute. Each form contains 50 items.

**Scoring:** 1 point for each correctly named number

**Time Limit:** 1 minute

**EXAMPLE:**

3	8	6	4	0	7	9	1	5	24
7	11	5	9	13	6	20	8	2	0
25	15	4	14	16	21	8	3	10	9
7	14	20	12	11	18	19	30	35	27
2	10	46	34	17	22	38	33	7	8

## Math Fact Fluency 1 digit – MFF-1D Overview

**Grade:** ONE (Fall, Winter, Spring)

**Test Format:** Individual, student stimulus book (print) and examiner digital record form (online), timed

**Test Content:** The student solves addition and subtraction problems involving numbers 0 through 10 for 1 minute. Each form contains 40 items.

**Scoring:** 1 point for each correctly named number

**Time Limit:** 1 minute

**EXAMPLE:**

$2+2-$	$1+2-$	$0+4-$	$3+3-$	$5+1-$
$1+0-$	$4-1-$	$6+1-$	$3+0-$	$2-2-$
$3+5-$	$3-1-$	$6-0-$	$1+5-$	$6+3-$
$5-0-$	$4+4-$	$5-3-$	$8+1-$	$4-2-$

## Math Fact Fluency Tens digits – MFF-T Overview

**Grade:** ONE (Winter, Spring)

**Test Format:** Individual, student stimulus book (print) and examiner digital record form (online), timed



**Test Content:** The student solves problems involving the addition and subtraction of 10 for 1 minute. Each form contains 32 items.

**Scoring:** 1 point for each correctly named number

**Time Limit:** 1 minute

**EXAMPLE:**

$60 + 10 =$	$40 + 10 =$	$15 + 10 =$	$20 - 10 =$
$35 + 10 =$	$50 - 10 =$	$75 + 10 =$	$90 - 10 =$
$40 - 10 =$	$64 + 10 =$	$85 - 10 =$	$7 + 10 =$
$72 - 10 =$	$26 + 10 =$	$13 - 10 =$	$59 + 10 =$

**Concepts and applications - CA**  
Overview

**Grade:** ONE (Fall, Winter, Spring)

**Test Format:** Individual, student stimulus book (print) and examiner digital record form (online), timed

# Test Content:

The student solves one- and two-step math word problems, each addressing an aspect of grade-appropriate CCSS domains. The examiner reads each item to the student and the student states the correct answer, using the corresponding visual stimulus to solve the problem. The student attempts all 25 items in a given form.

# Scoring:

1 point for each correctly named number

# Time Limit:

approximately 7-12 minutes

# EXAMPLE:

