

AIMSWEB PLUS

(Grades 2-7)

Students in Grade 2-7 are Globally assessed three times a year, using AIMSweb Plus. The assessment gives us a snapshot of students' math abilities in the areas of *Number Comparison Fluency Triads (NCF-T)*, *Mental Computation Fluency (MCF)* and *Concepts and Applications (CA)*. 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 (Grades 2-3) and Title 1 Math services in (Grades 4-7).



Aimsweb Plus Measurements (Grades 2-7)

Measure:	What Students Do:	Score:	Administrati on Time:
Number Comparison Fluency–Triads (NCF–T)	Compare three numbers within and across number systems to determine the relative distance between each number.	Number of items correctly answered	3 minutes
Mental Computation Fluency (MCF)	Solve multiple-choice math computation problems.	Number of items correctly answered	4 minutes
Concepts & Applications (CA)	Solve multiple-choice math word problems.	Number of items correctly answered	~15–25 minutes



Number Comparison Fluency–Triads

Overview

Level: Grades 2 through 8 (Fall, Winter, Spring)

Use: Benchmarking

Number Comparison Fluency–Triads:

Assesses a student's ability to assess magnitude and compare numbers within and across number systems. Content reflects math expectations appropriate to each grade level. Because it is a timed measure, NCF–T can also measure the level of automaticity of these skills.

The student answers multiple-choice math items, each requiring a comparison of a set of three numbers. Each item is presented as a triad of numbers, with the student determining whether the top number in the triad is closer in value to the bottom left number, the bottom right number, or exactly in between the two numbers. The student attempts as many items as possible in 3 minutes.

Each NCF–T form (3 benchmarking) contains 40 items, presented four per screen.

The screenshot displays a digital assessment interface for Number Comparison Fluency–Triads. It features four triad items arranged in a 2x2 grid. Each item consists of a top number and three bottom numbers, each with a radio button for selection. The items are:

- Top: 250; Bottom: 0, 300, 300
- Top: 610; Bottom: 600, 610, 700
- Top: 400; Bottom: 0, 400, 800
- Top: 1,200; Bottom: 1,000, 1,200, 2,000

A blue button labeled "NEXT" is located in the bottom right corner of the interface.

Mental Computation Fluency Overview

Level: Grades 2 through 8 (Fall, Winter, Spring)

Use: Benchmarking

Mental Computation Fluency:

Assesses a student's ability to mentally solve computation. Content reflects math expectations appropriate to each grade level. Because it is a timed measure, MCF can also measure the level of automaticity of these skills.

The student answers multiple-choice math items, each requiring one- or two-step mental computation of a math expression. The student attempts as many items as possible in 4 minutes.

Each MCF form (3 benchmarking) contains 42 items, presented two per screen.

The screenshot shows a digital interface for a mental computation fluency test. It features two math problems, each presented in a separate box. The first problem is $2,000 + 2,000$, with three multiple-choice options: 2,000, 4,000, and 6,000. The second problem is $3,500 - 1,500$, with three multiple-choice options: 500, 1,500, and 2,000. Each option is accompanied by a radio button. At the bottom right of the interface is a blue button labeled "NEXT".

Concepts & Applications Overview

Level: Grades 2 through 8 (Fall, Winter, Spring)

Use: Benchmarking

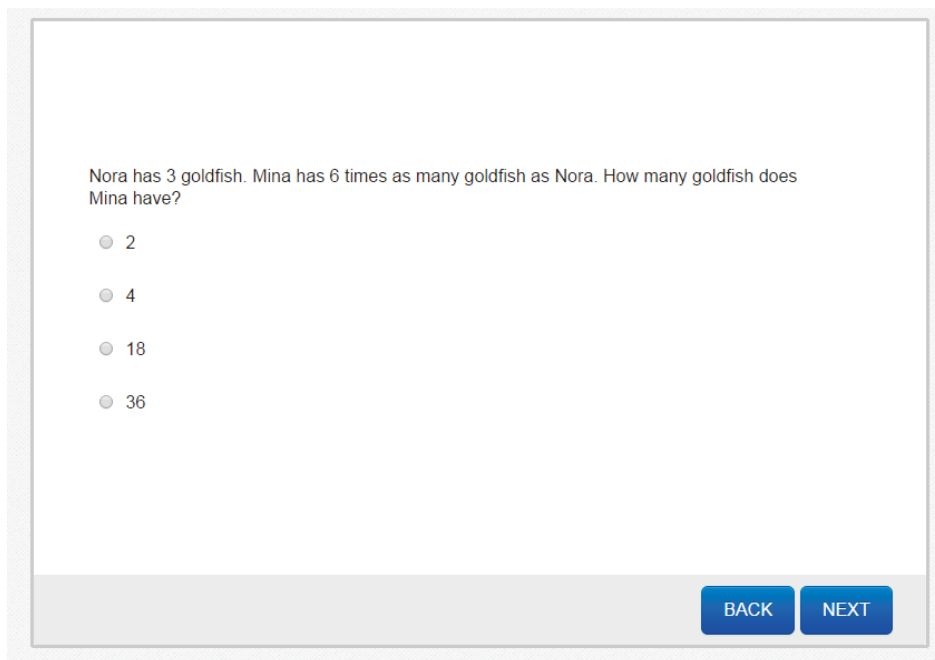
Concepts & ApplicationS:

Assesses a student's ability to solve one- and two-step word problems and his/her knowledge of essential math concepts in the areas of algebra, base ten numbers, measurement and data, geometry, fractions, statistics and probability, expressions and equations, and functions. Content reflects math expectations appropriate to each grade level.

The student answers multiple-choice math problems, each addressing an aspect of the content areas listed above. This measure has no time limit and the student attempts *all* items. Students are allowed to use scratch paper and pencils to solve test items, and audio is available for students who prefer to have the items read to them.

Note. Students are not allowed to use calculators.

Each CA form (3 benchmarking) contains between 29 and 31 items, presented one per screen.



Nora has 3 goldfish. Mina has 6 times as many goldfish as Nora. How many goldfish does Mina have?

- 2
- 4
- 18
- 36

BACK NEXT