Grade 6 Smarter Balanced Assessment Item Specifications Fact Sheet

Claim 1 - Target C: Compute fluently with multi-digit numbers and find common factors and multiples.

Content Domain: The Number System

Claim 1 Supporting Cluster

Standards Assessed in Target C:

6.NS.2: Fluently divide multi-digit numbers using the standard algorithm.

6.NS.3: Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation.

6.NS.4: Find the greatest common factor of two whole numbers less than or equal to 100 and the least common multiple of two whole numbers less than or equal to 12. Use the distributive property to express a sum of two whole numbers 1–100 with a common factor as a multiple of a sum of two whole numbers with no common factor. *For example, express 36 + 8 as 4 (9 + 2).*

Achievement Level Descriptors

Level 1	Students should be able to add, subtract, and multiply multi-digit whole numbers and decimals to hundredths. They should be able to use the distributive property to express the sum of two whole numbers with a common factor.
Level 2	Students should be able to divide multi-digit whole numbers and add and subtract multi-digit decimal numbers. They should be able to find common factors of two numbers less than or equal to 100 and multiples of two numbers less than or equal to 12.
Level 3	Students should be able to fluently divide multi-digit numbers and add, subtract, multiply, and divide multi-digit decimal numbers. They should be able to find the greatest common factor of two numbers less than or equal to 100 and the least common multiple of two whole numbers less than or equal to 12.
Level 4	Students should be able to make generalizations regarding multiples and factors of sets of numbers (e.g., state that a particular set of numbers is relatively prime).

Construct-Relevant Vocabulary

common factor, common multiple, difference, distributive property, greatest common factor, least common multiple, product, quotient, sum

Allowable Stimulus Materials

None.

Allowable Tools

None.